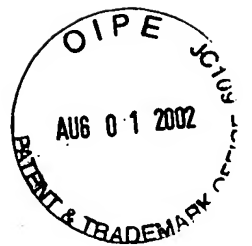


FIG. 1





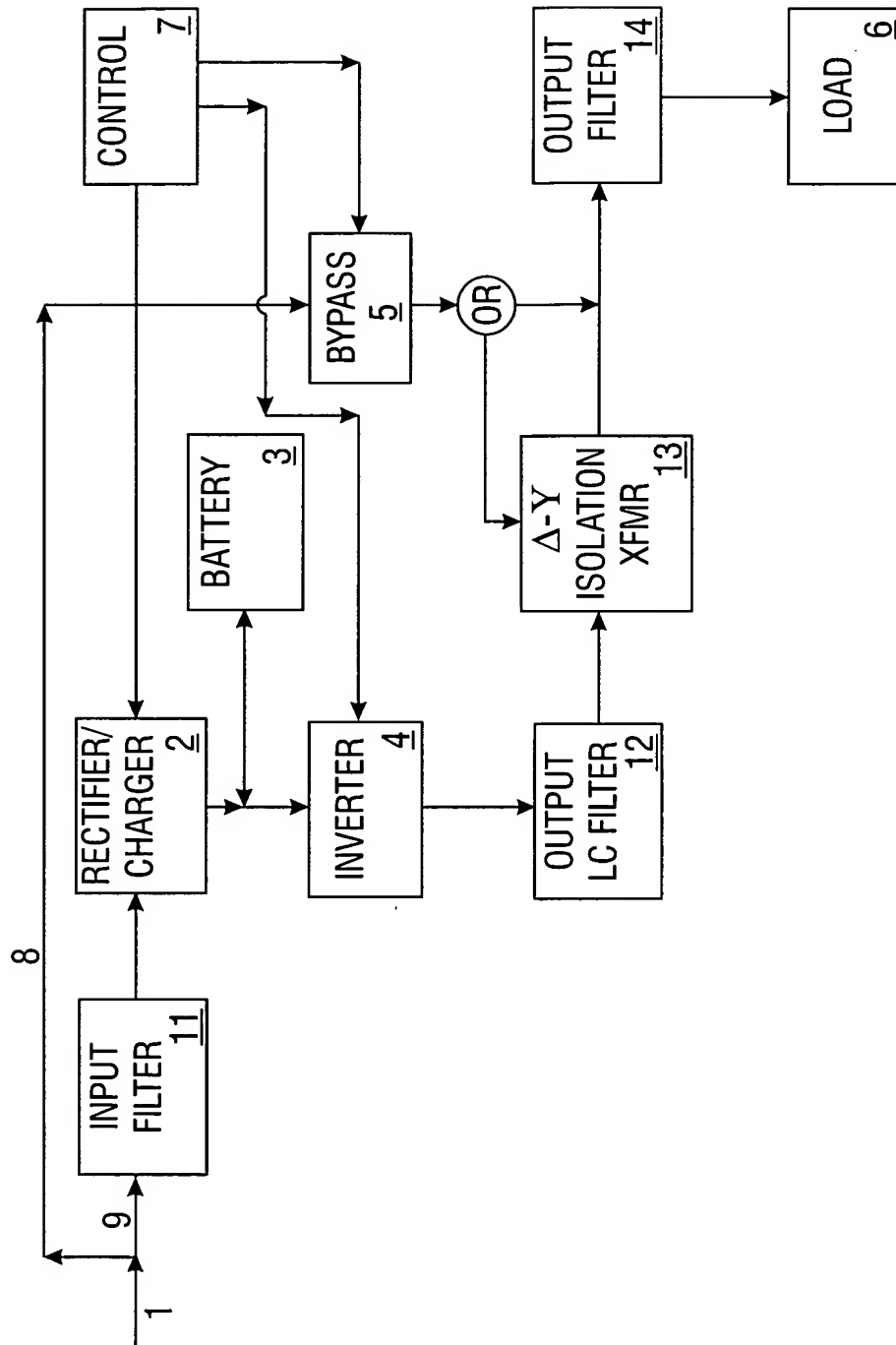


FIG. 2





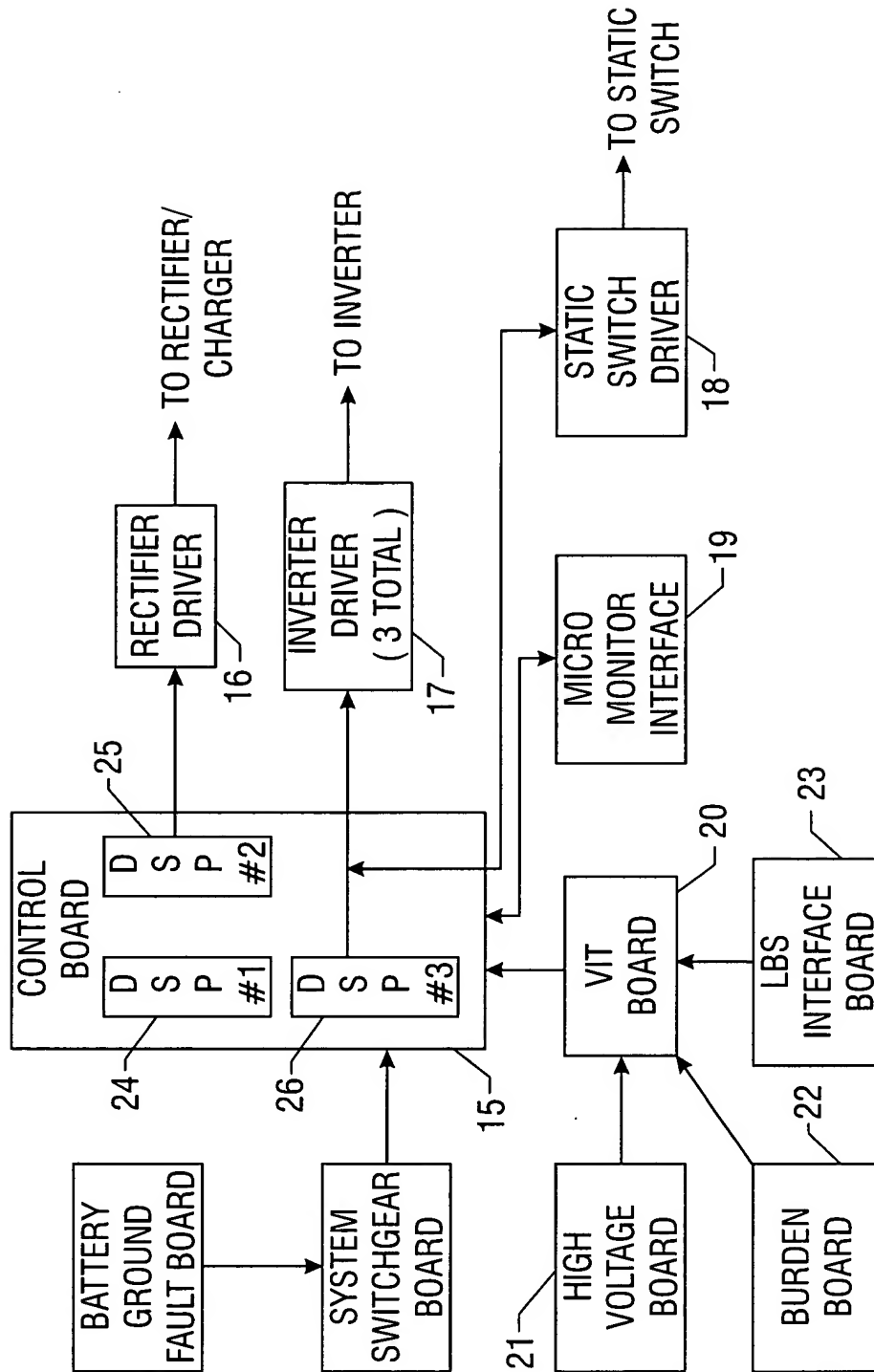


FIG. 3



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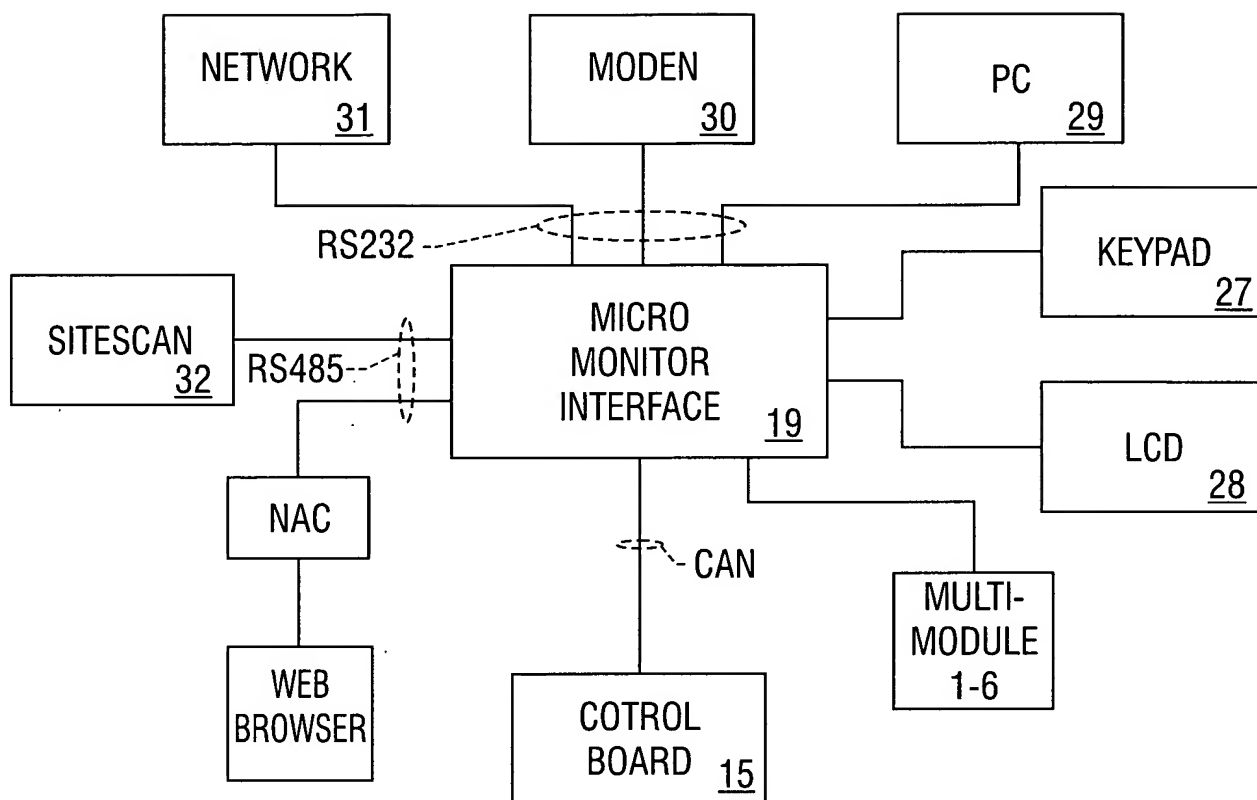


FIG. 4









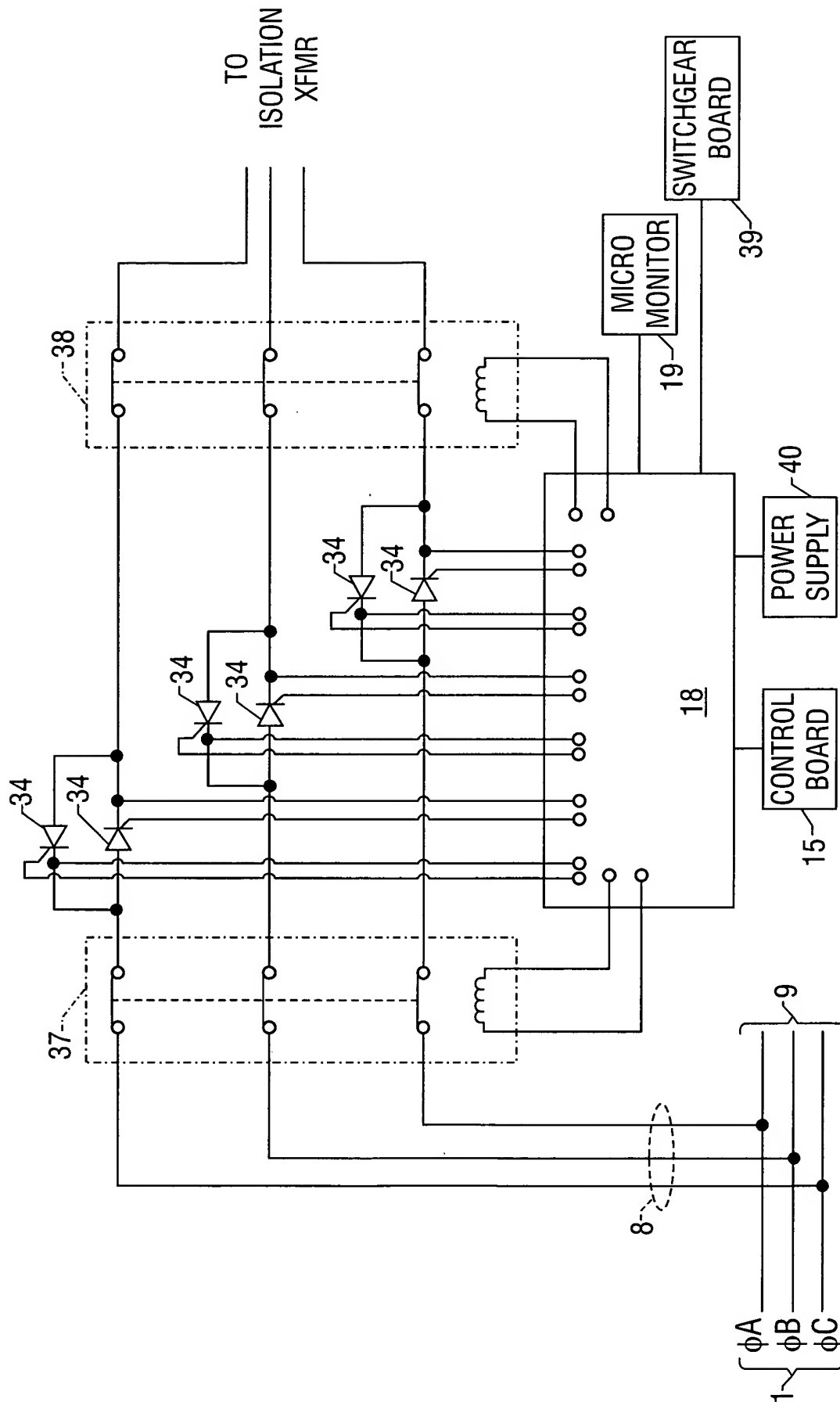


FIG. 6





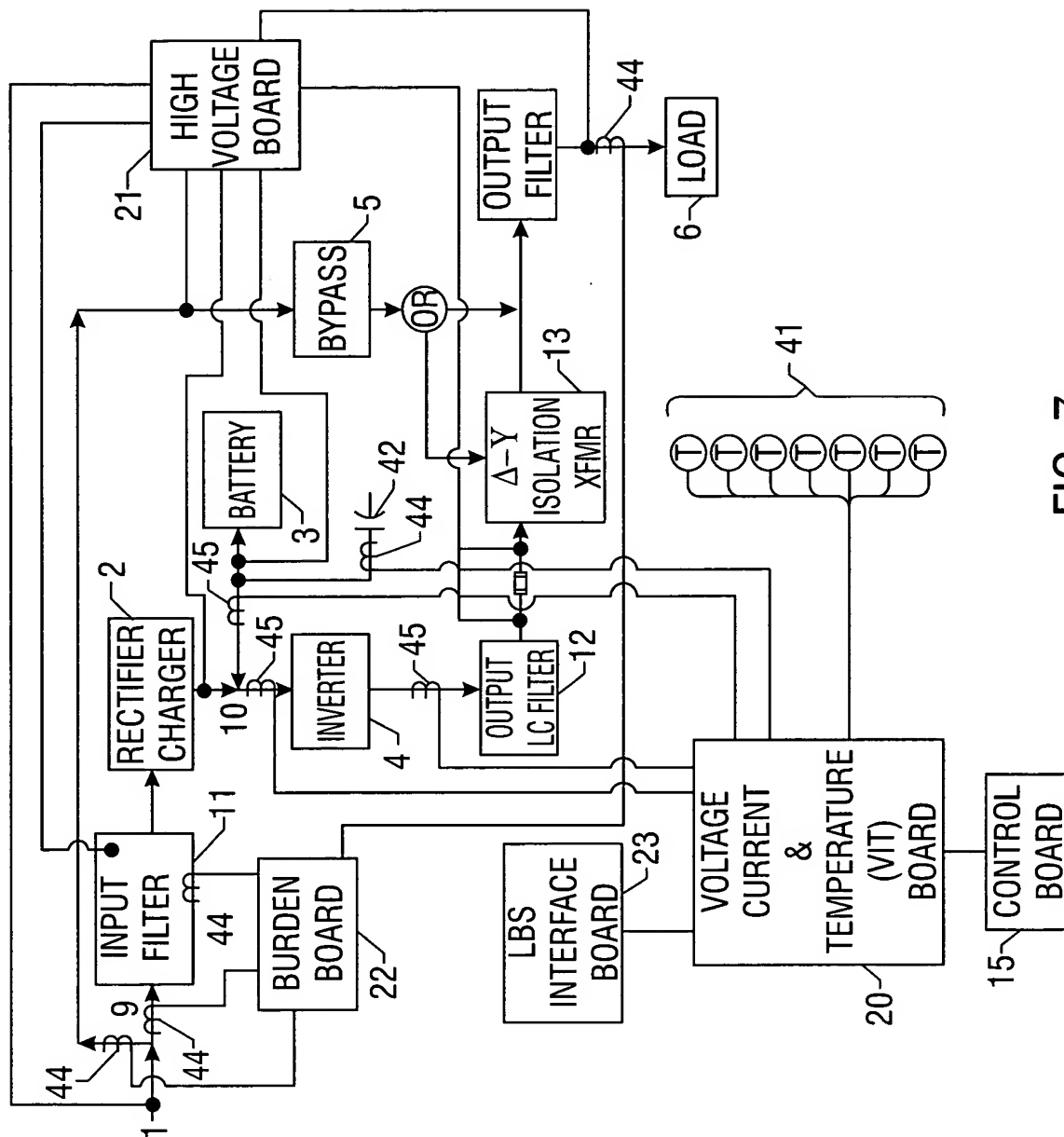


FIG. 7





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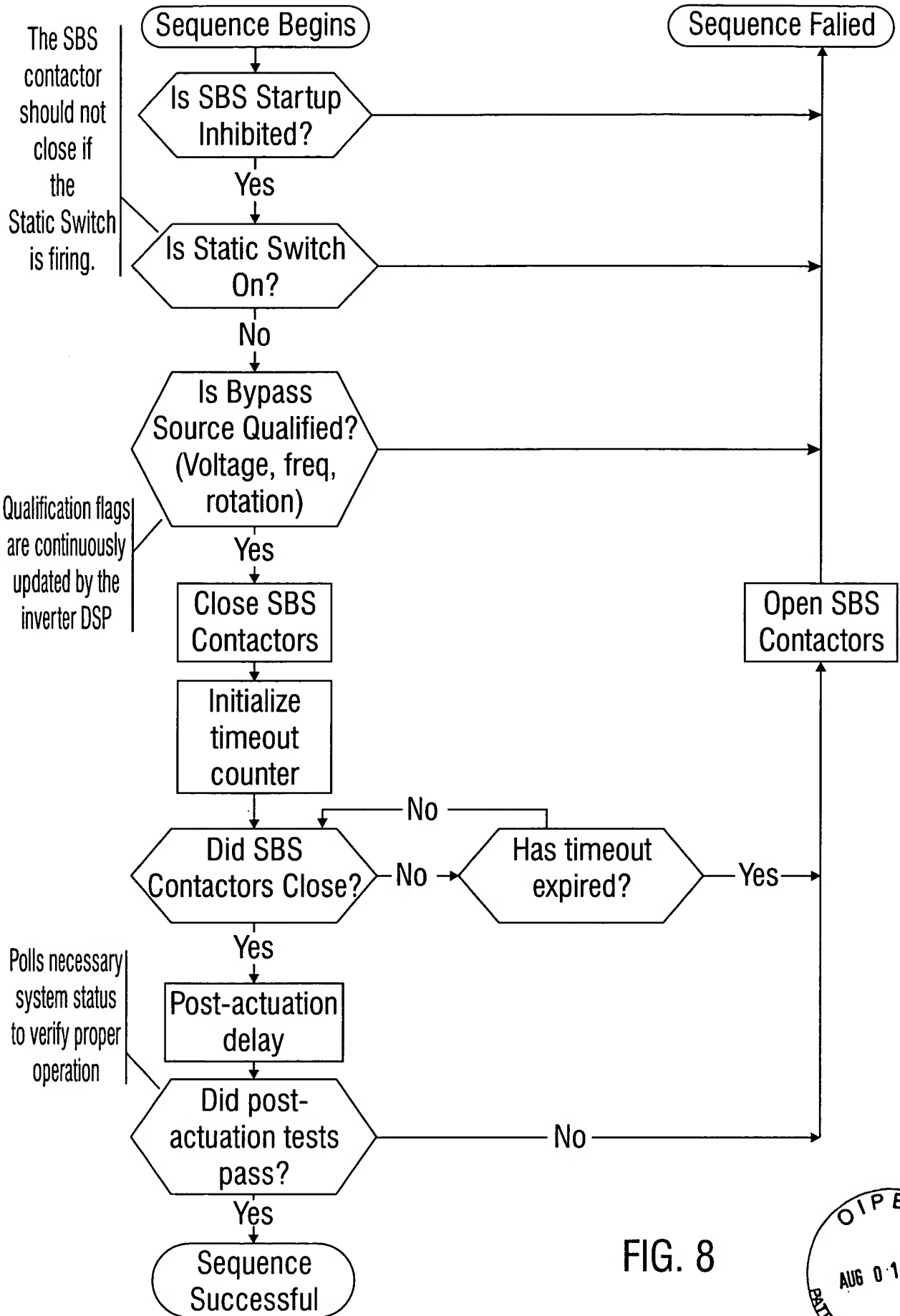
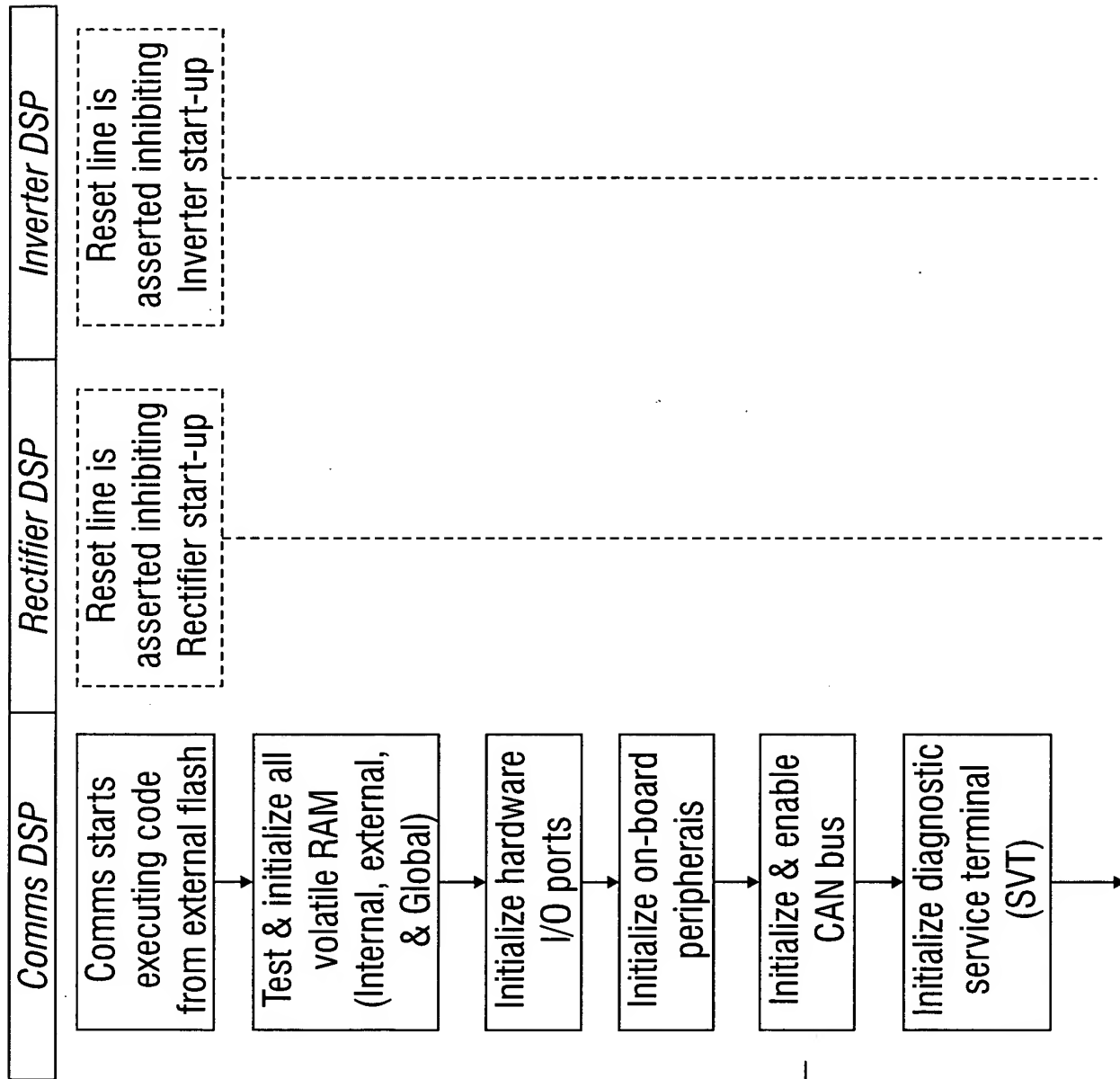


FIG. 8







CAN begins polling  
for other CAN nodes  
on the bus



FIG. 8A-1



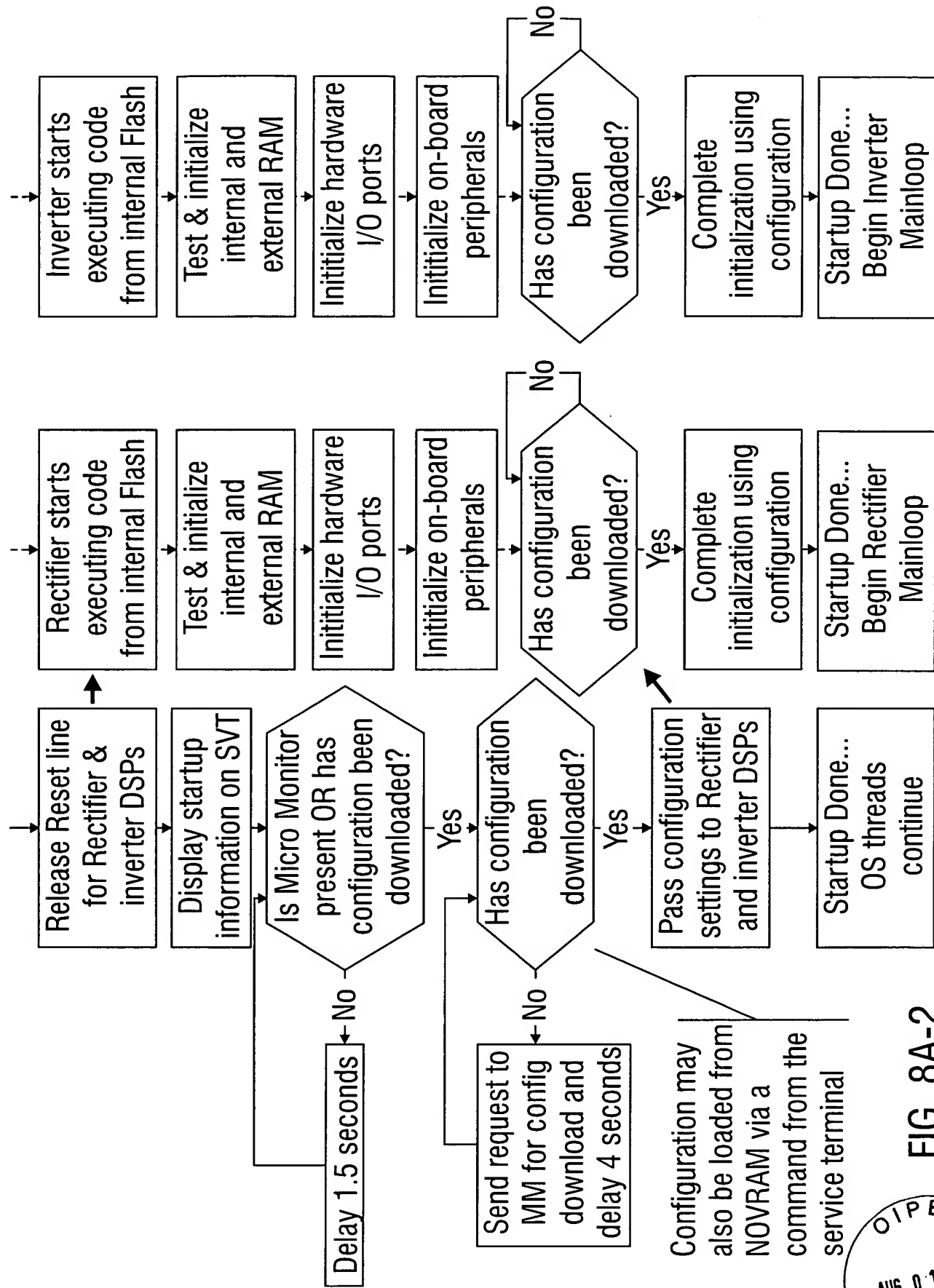


FIG. 8A-2





2010080723.080102

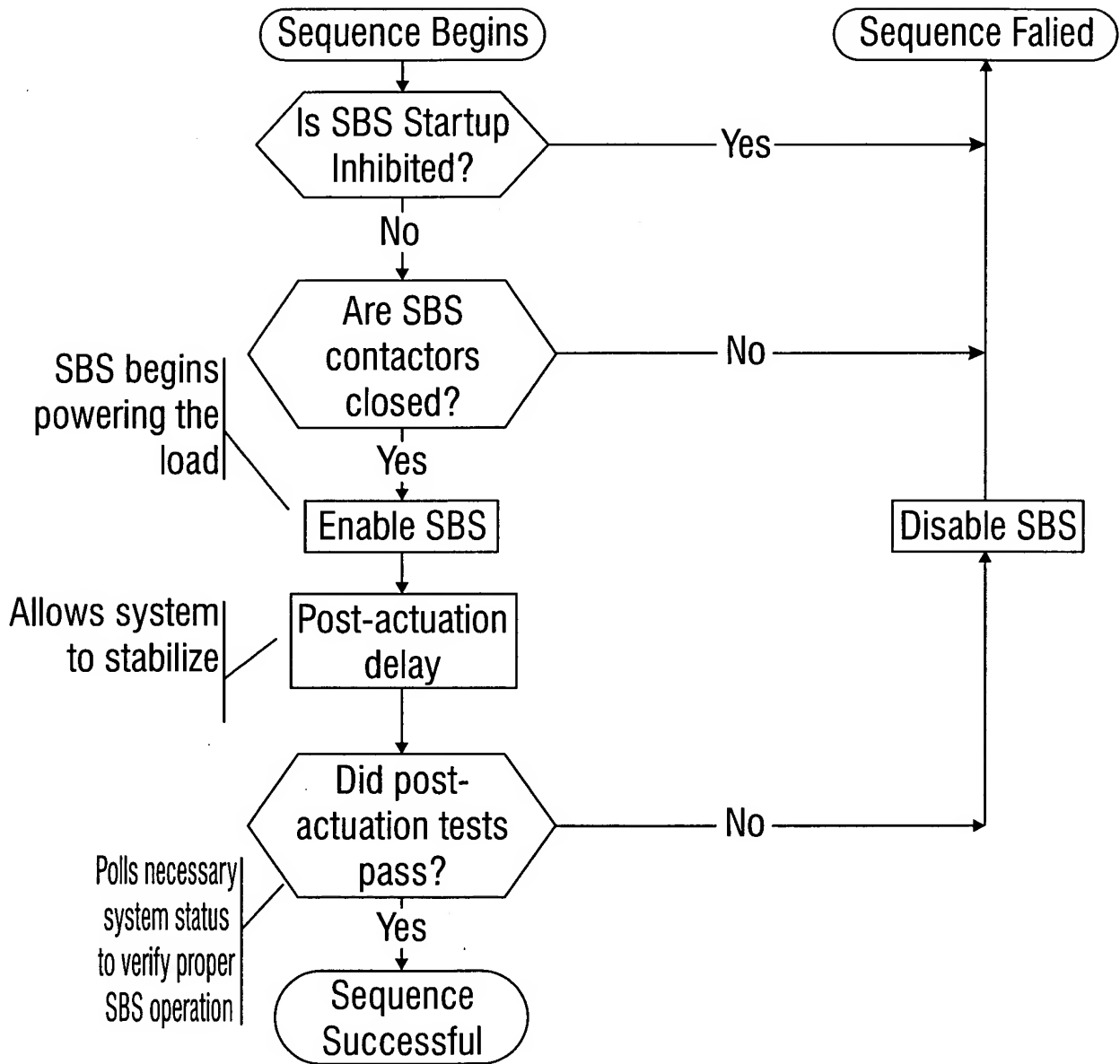


FIG. 9





201007273-080102

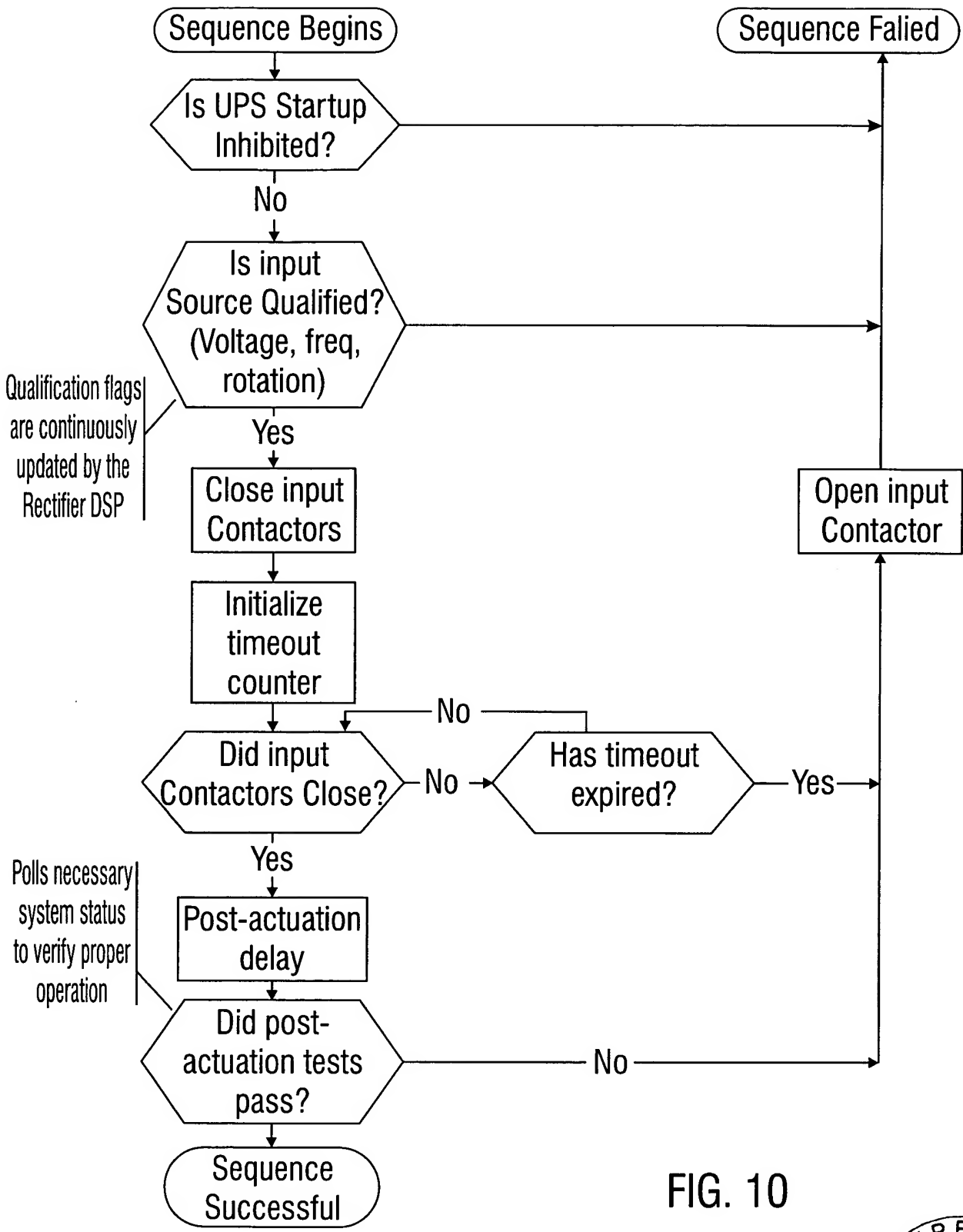


FIG. 10





2007.07.23.080402

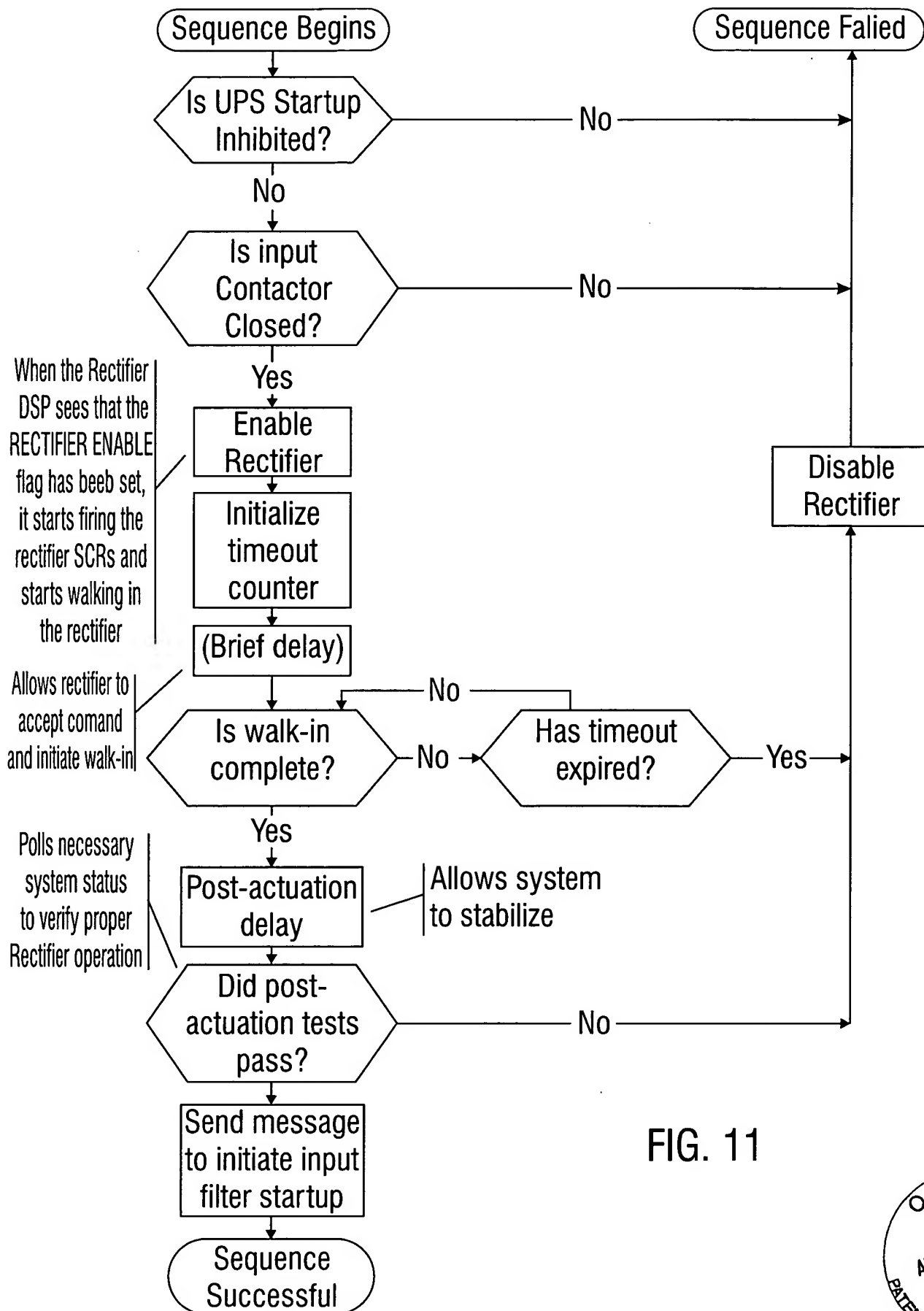


FIG. 11





2010030 "E220007

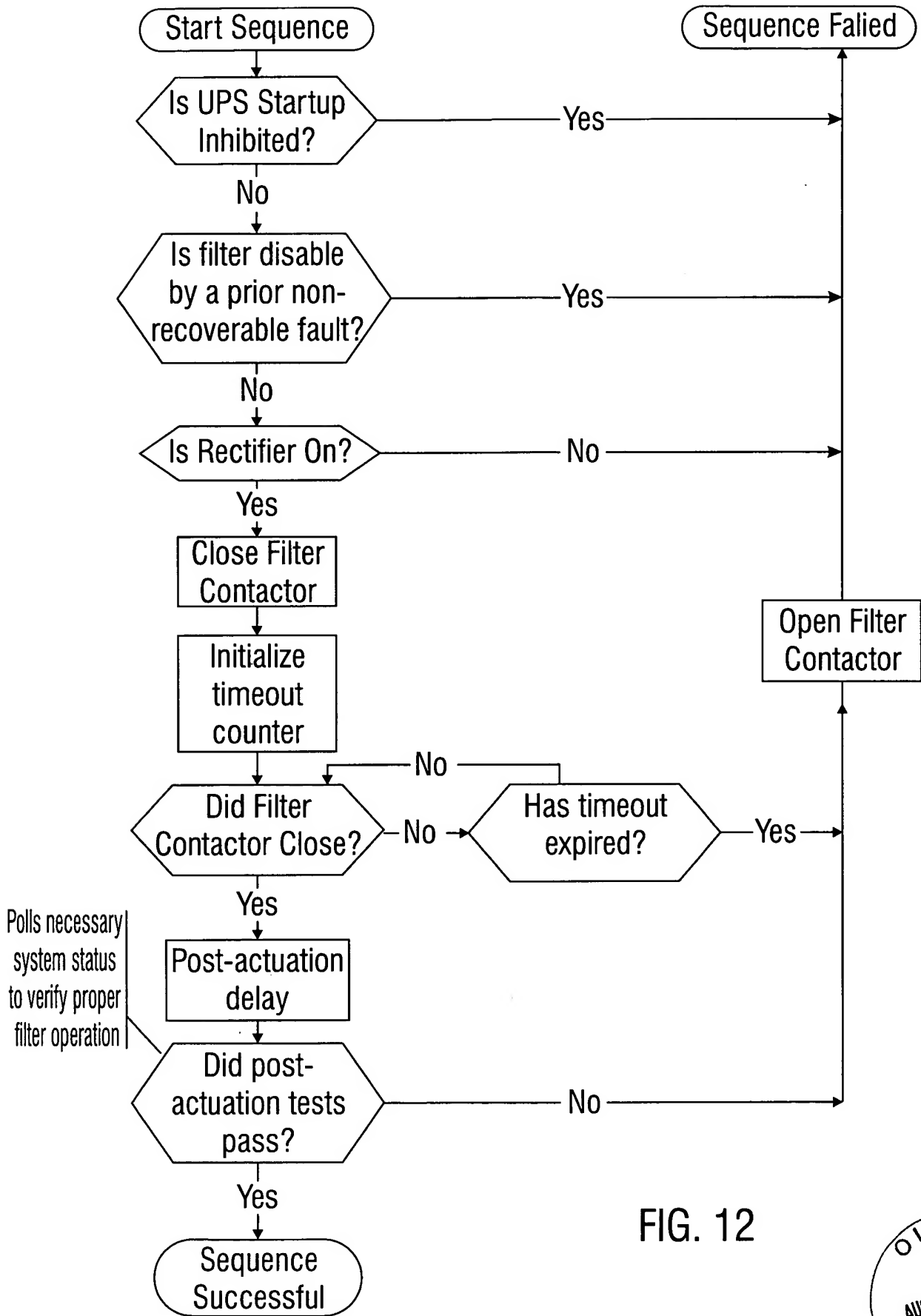


FIG. 12





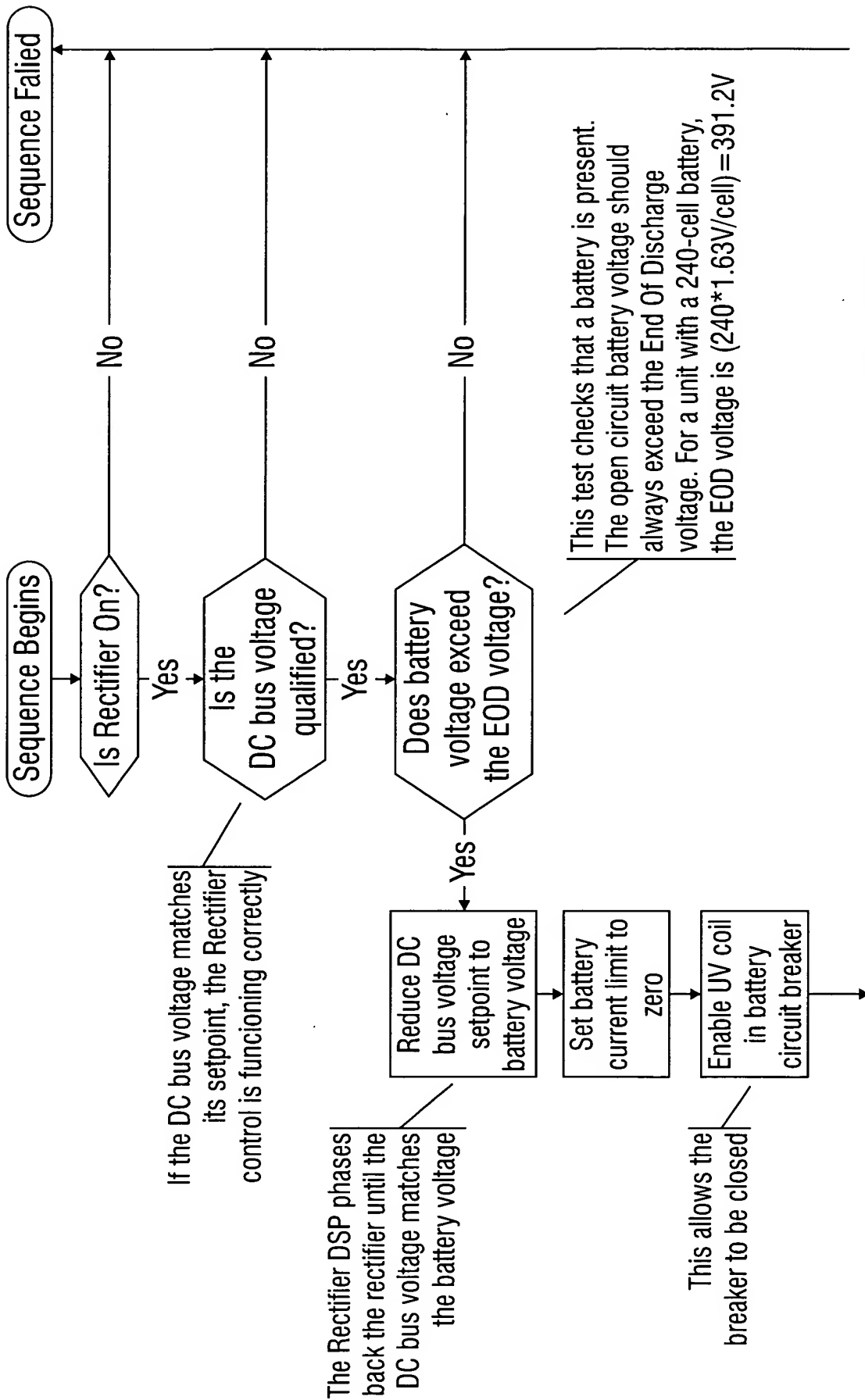


FIG. 14A





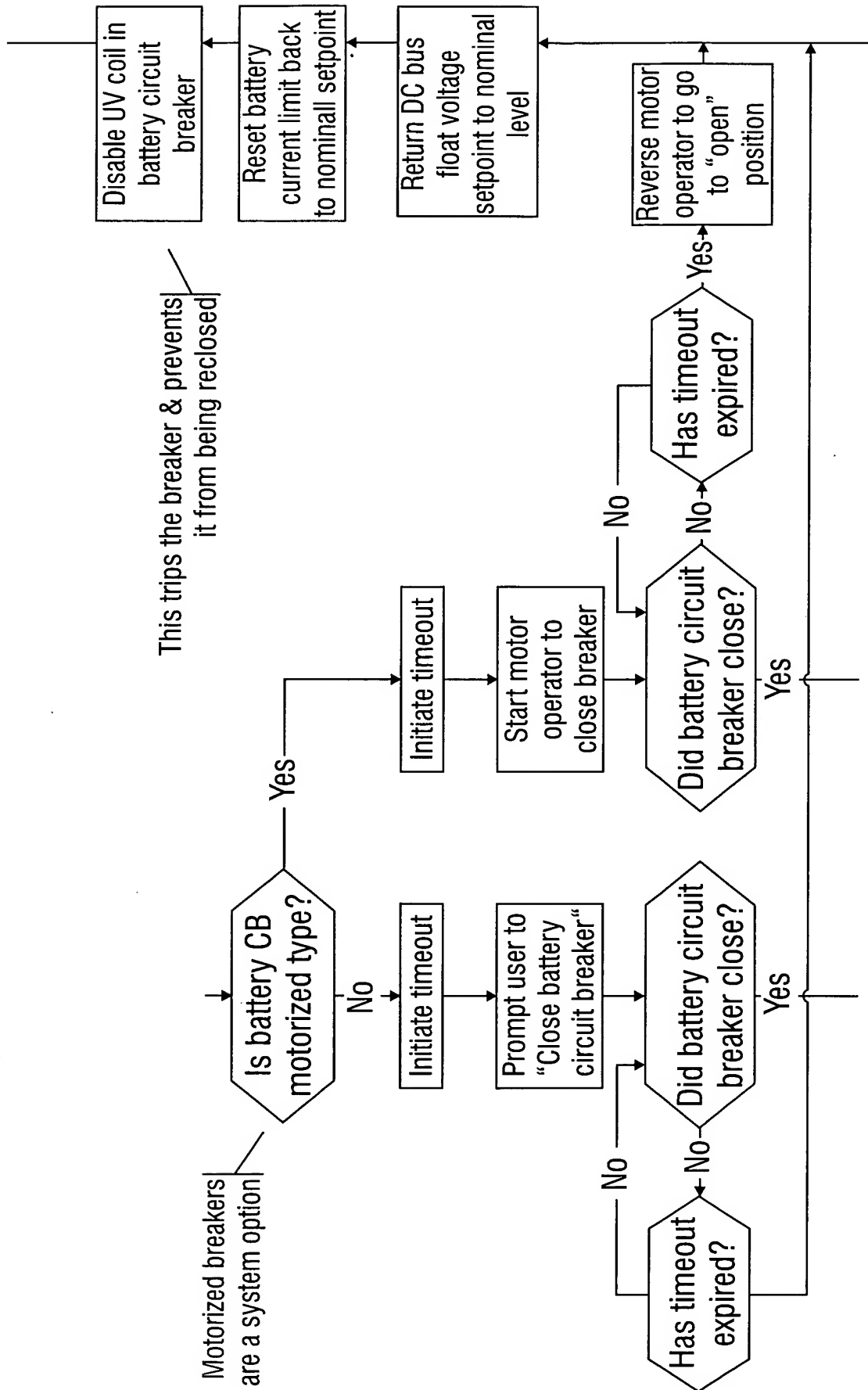


FIG. 14B





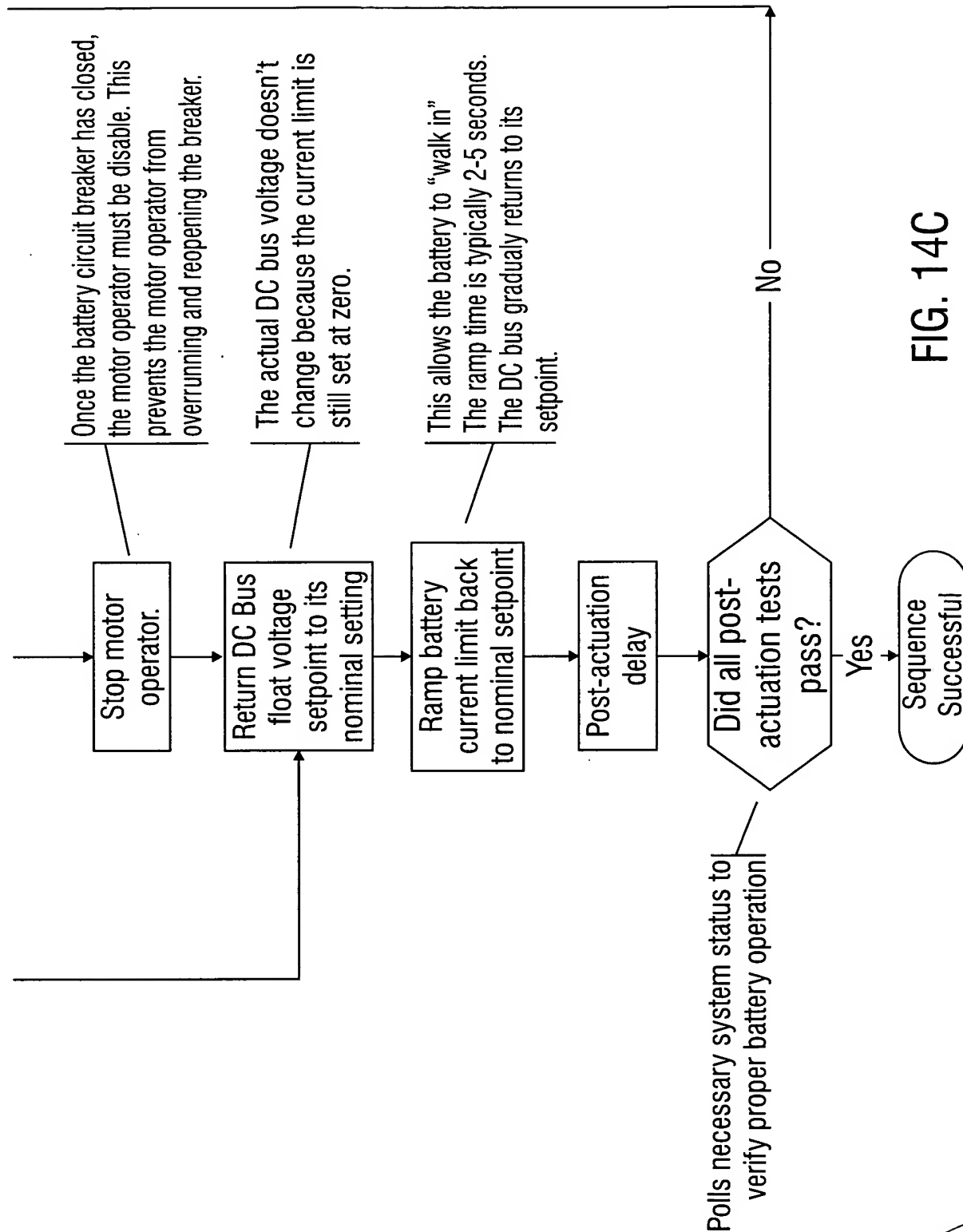


FIG. 14C





2007-03-08 10:02

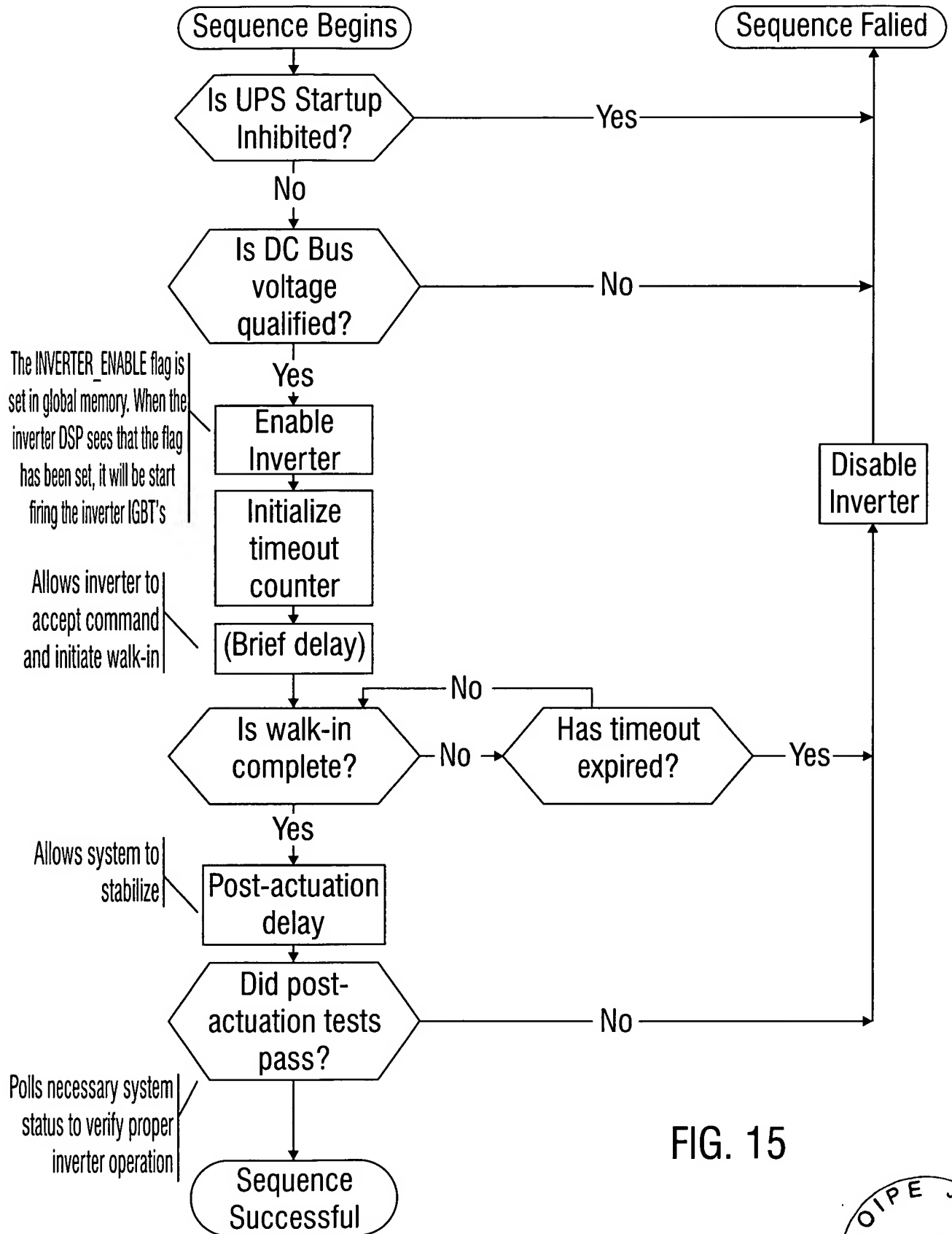
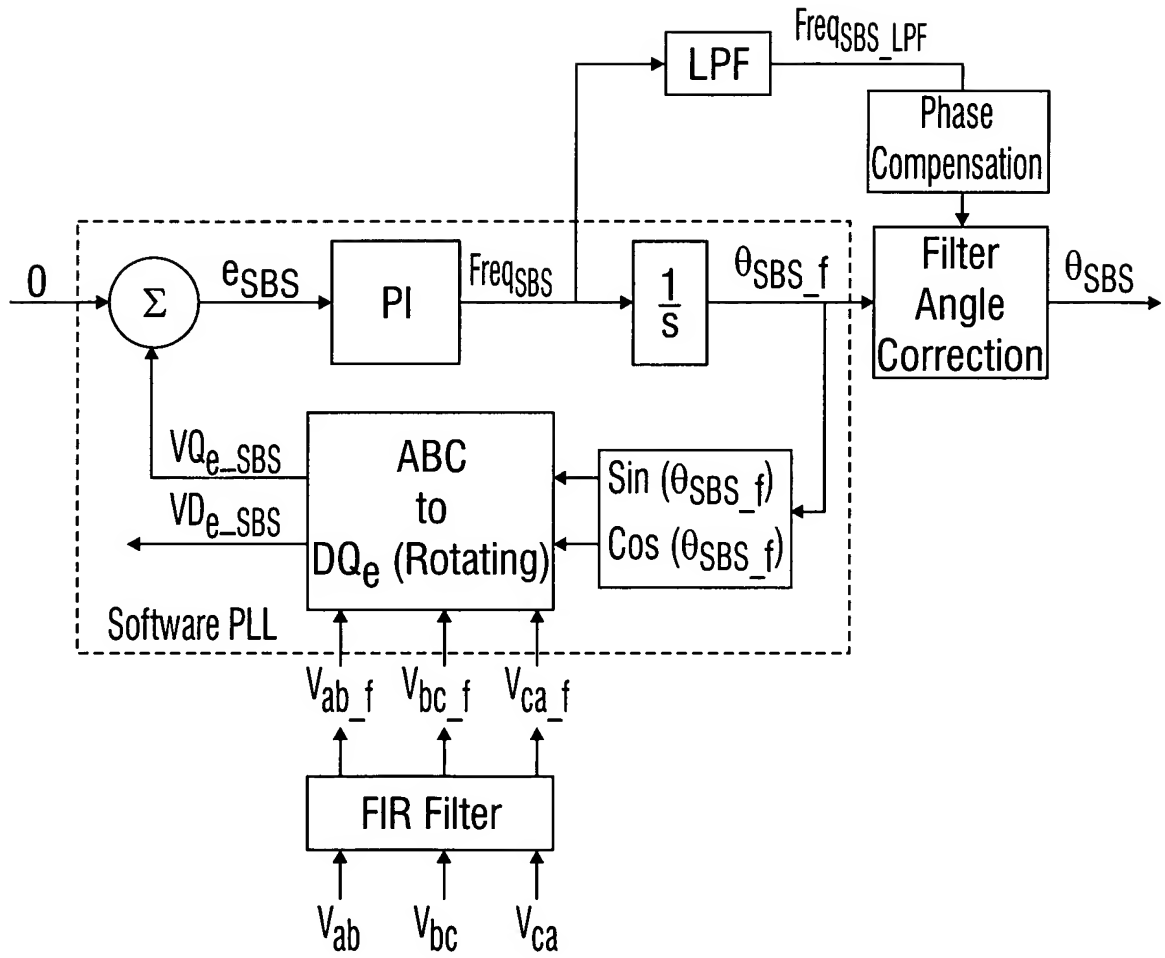


FIG. 15





201007273.080102



Static Bypass Switch L-L Voltage

FIG. 16





20100723.080102

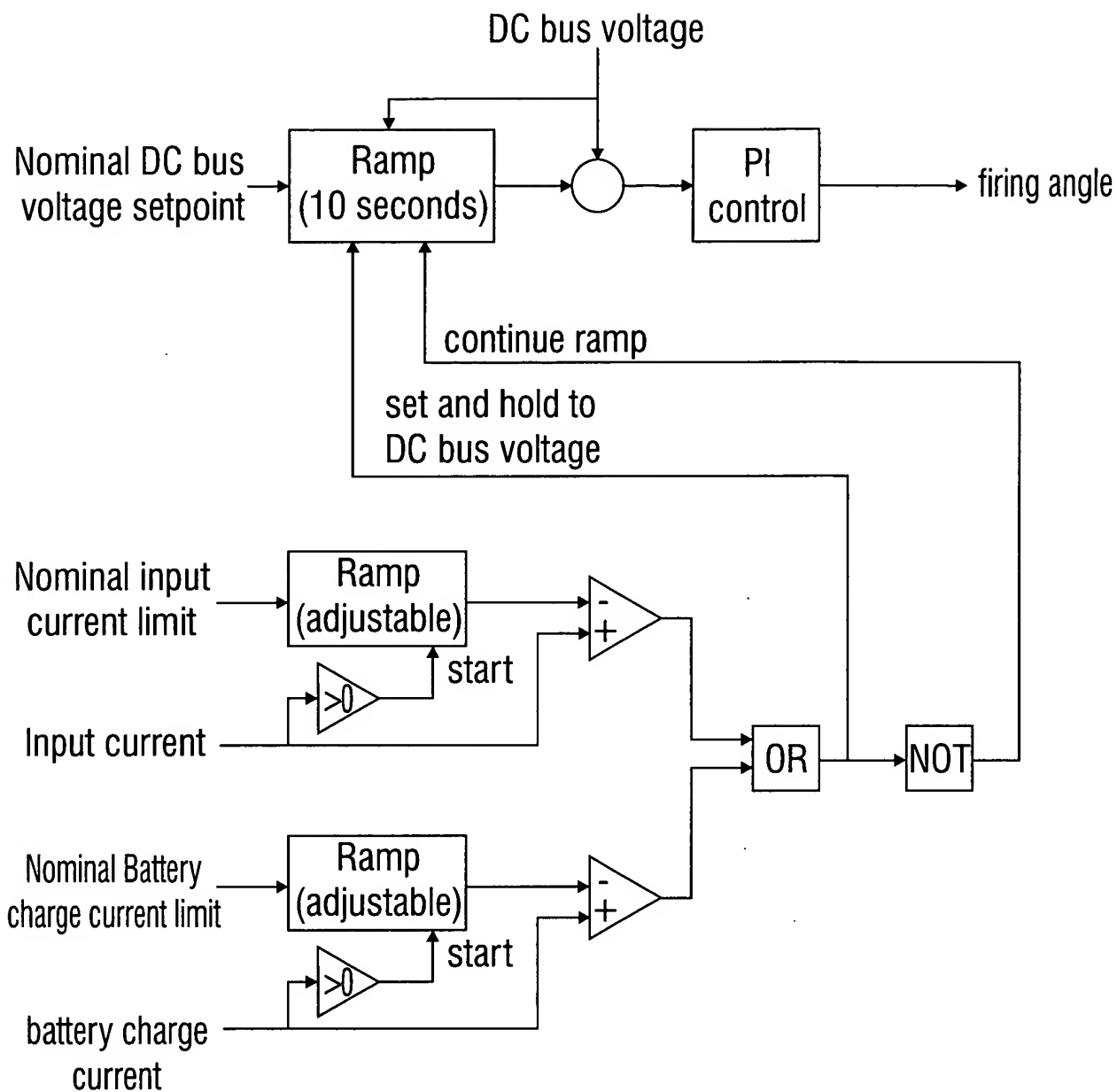


FIG. 17A





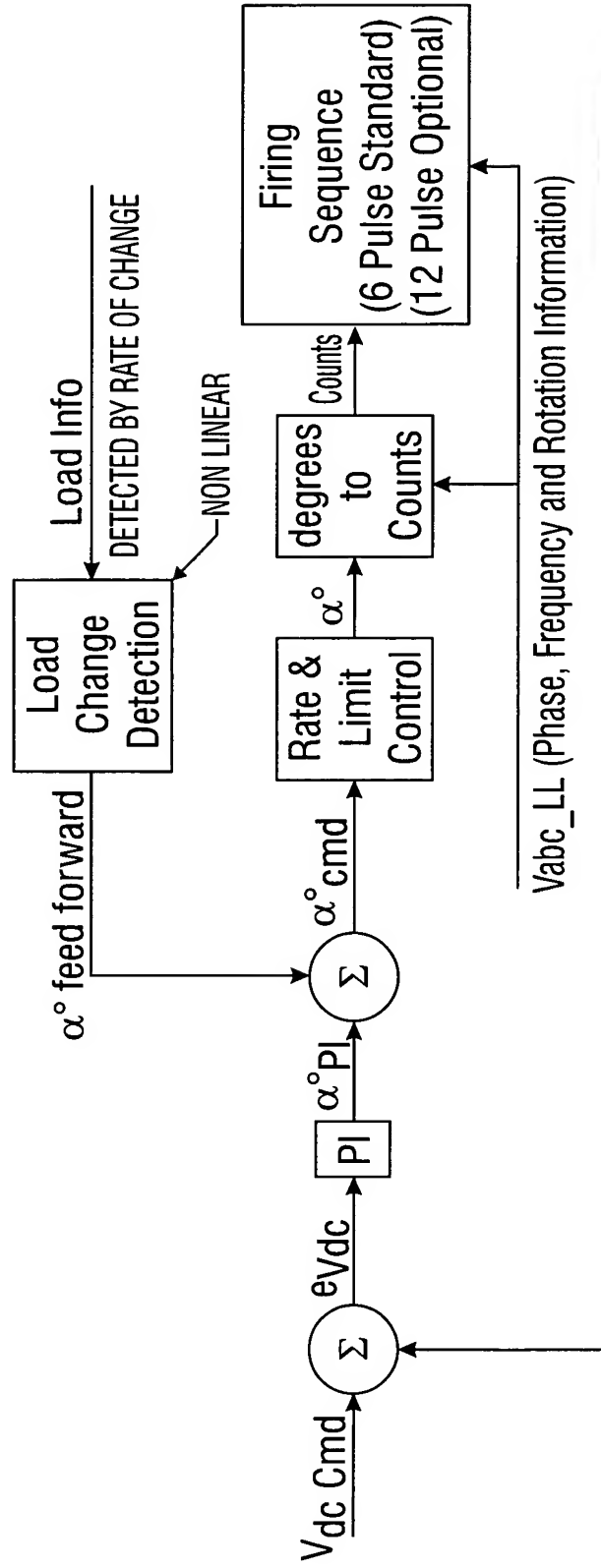


FIG. 17B



2010080"E22000T

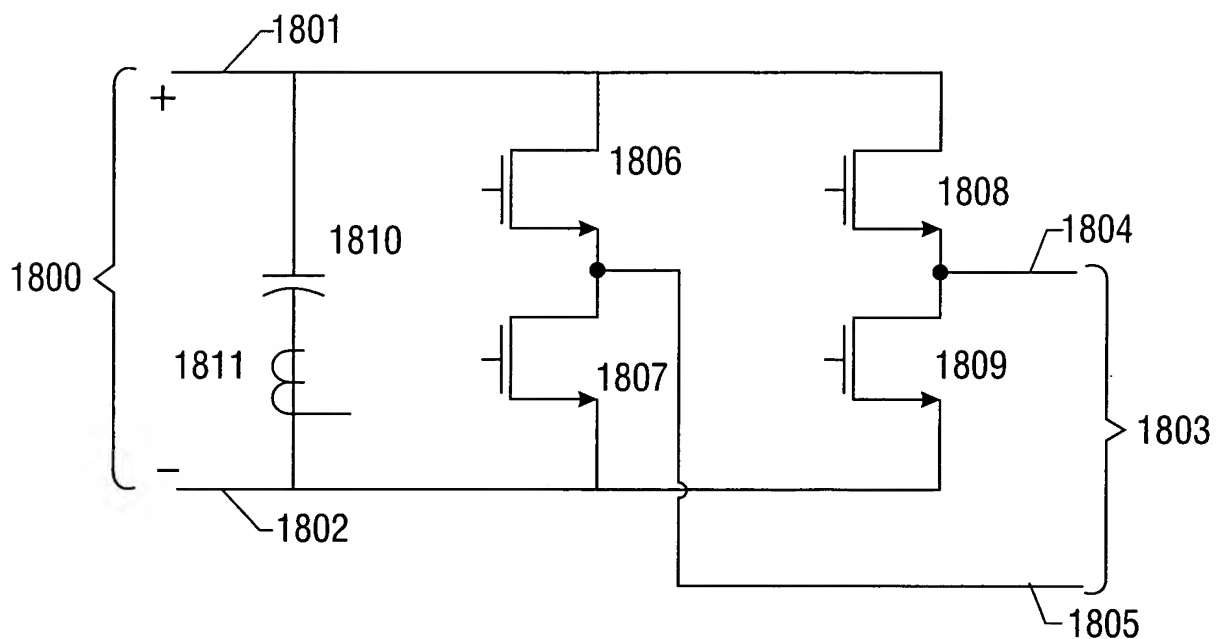


FIG. 18A

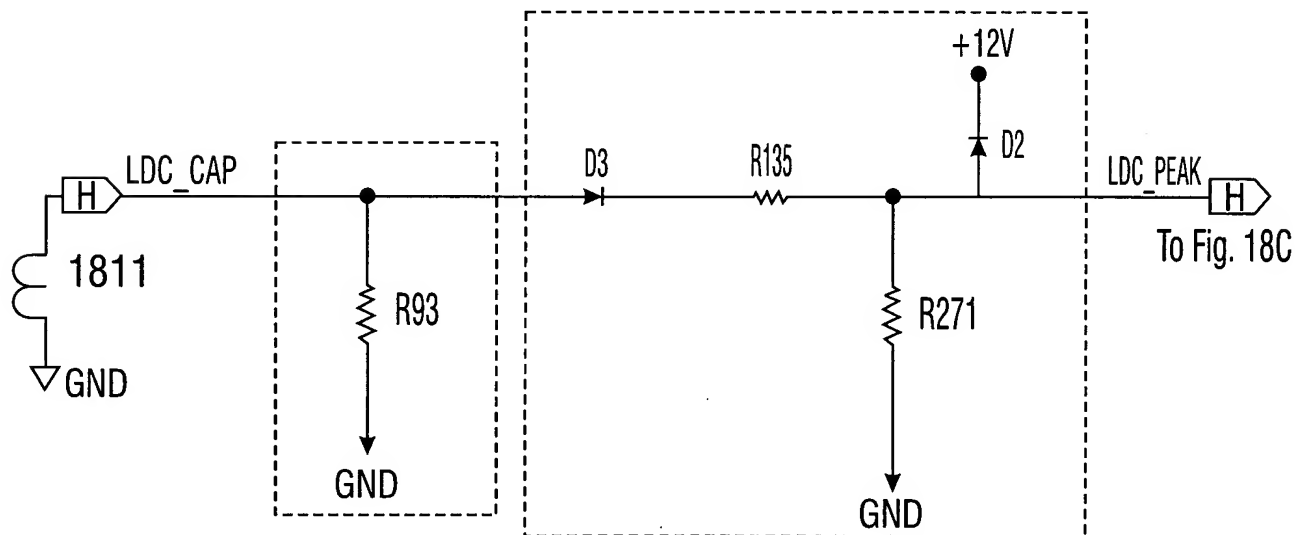


FIG. 18B





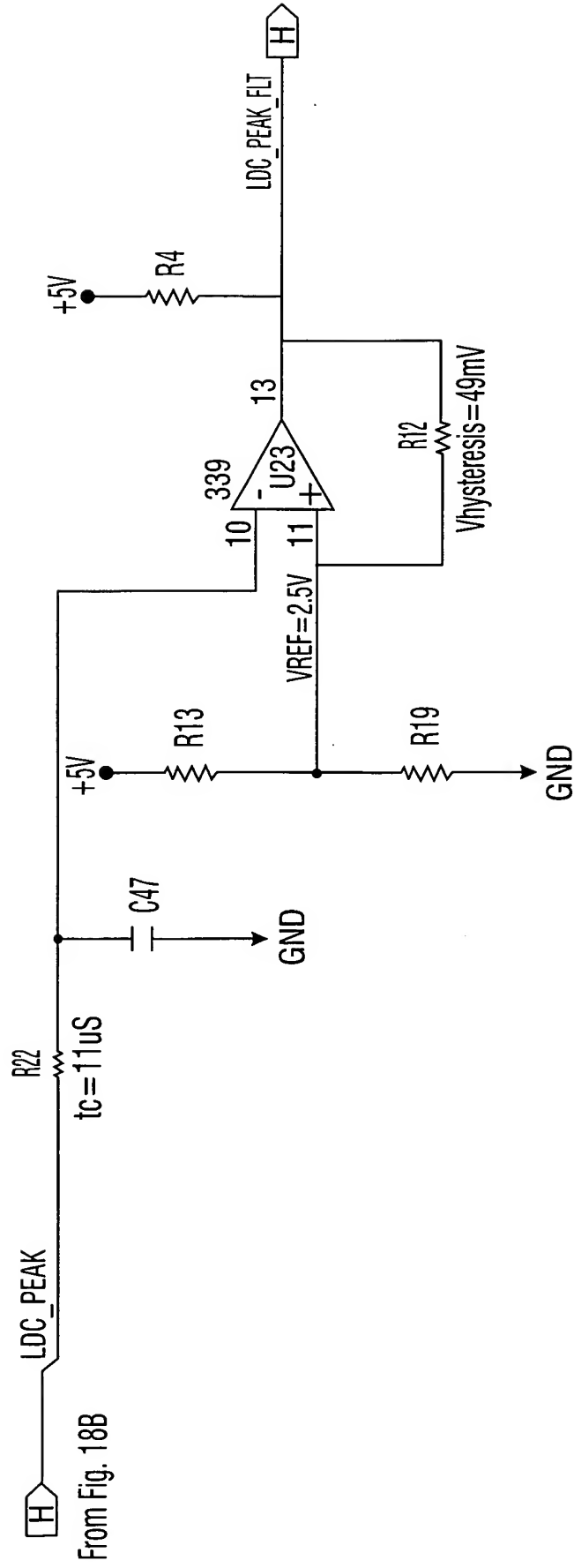


FIG. 18C





20100723-080102

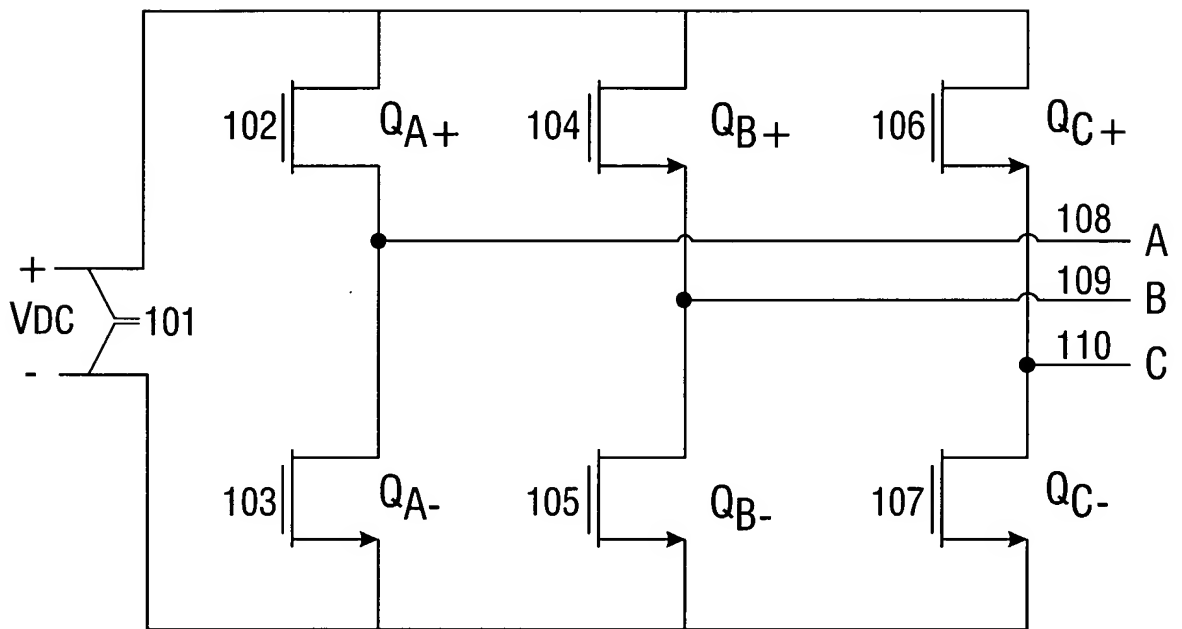


FIG. 19





Switch (0=OFF, i=ON)			Line to Neutral Voltage Vectors					Line to Line Voltage Vectors				
$S_{C+}$	$S_{B+}$	$S_{A+}$	$V_{AN}$	$V_{BN}$	$V_{CN}$	$V=[V_{QS} V_{DS}]^T$	Vector	$V_{AB}$	$V_{BC}$	$V_{CA}$	$V=[V_{QS} V_{DS}]^T$	Vector
0	0	1	$\frac{2}{3}V_{dc}$	$-\frac{1}{3}V_{dc}$	$-\frac{1}{3}V_{dc}$	$\frac{2}{3}V_{dc} \angle 0^\circ$	$\vec{V}_1$	$V_{dc}$	0	$-V_{dc}$	$\frac{2}{\sqrt{3}}V_{dc} \angle -30^\circ$	$\vec{V}_1$
1	0	1	$\frac{1}{3}V_{dc}$	$-\frac{2}{3}V_{dc}$	$\frac{1}{3}V_{dc}$	$\frac{2}{3}V_{dc} \angle 60^\circ$	$\vec{V}_2$	$V_{dc}$	$-V_{dc}$	0	$\frac{2}{\sqrt{3}}V_{dc} \angle 30^\circ$	$\vec{V}_2$
1	0	0	$-\frac{1}{3}V_{dc}$	$-\frac{1}{3}V_{dc}$	$\frac{2}{3}V_{dc}$	$\frac{2}{3}V_{dc} \angle 120^\circ$	$\vec{V}_3$	0	$-V_{dc}$	$V_{dc}$	$\frac{2}{\sqrt{3}}V_{dc} \angle 90^\circ$	$\vec{V}_3$
1	1	0	$-\frac{2}{3}V_{dc}$	$\frac{1}{3}V_{dc}$	$\frac{1}{3}V_{dc}$	$\frac{2}{3}V_{dc} \angle 180^\circ$	$\vec{V}_4$	$-V_{dc}$	0	$V_{dc}$	$\frac{2}{\sqrt{3}}V_{dc} \angle 150^\circ$	$\vec{V}_4$
0	1	0	$-\frac{1}{3}V_{dc}$	$\frac{2}{3}V_{dc}$	$-\frac{1}{3}V_{dc}$	$\frac{2}{3}V_{dc} \angle 240^\circ$	$\vec{V}_5$	$-V_{dc}$	$V_{dc}$	0	$\frac{2}{\sqrt{3}}V_{dc} \angle 210^\circ$	$\vec{V}_5$
0	1	1	$\frac{1}{3}V_{dc}$	$\frac{1}{3}V_{dc}$	$-\frac{2}{3}V_{dc}$	$\frac{2}{3}V_{dc} \angle 300^\circ$	$\vec{V}_6$	0	$V_{dc}$	$-V_{dc}$	$\frac{2}{\sqrt{3}}V_{dc} \angle 270^\circ$	$\vec{V}_6$
0	0	0	0	0	0	0	$\vec{V}_7$	0	0	0	0	$\vec{V}_7$
1	1	1	0	0	0	0	$\vec{V}_8$	0	0	0	0	$\vec{V}_8$

FIG. 20



FIG. 21B





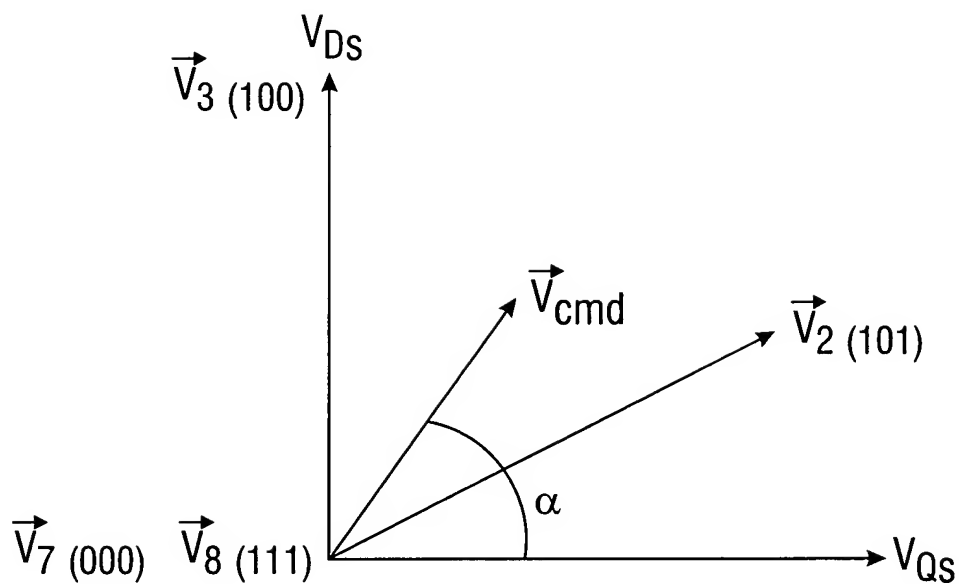


FIG. 22A

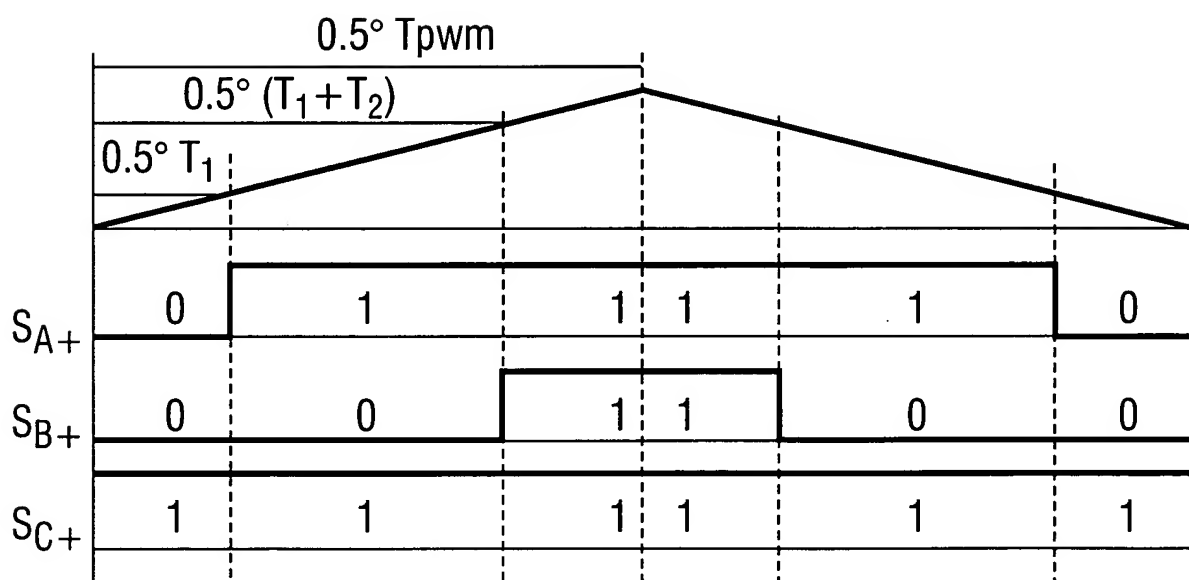


FIG. 22B





20108013000723-080102

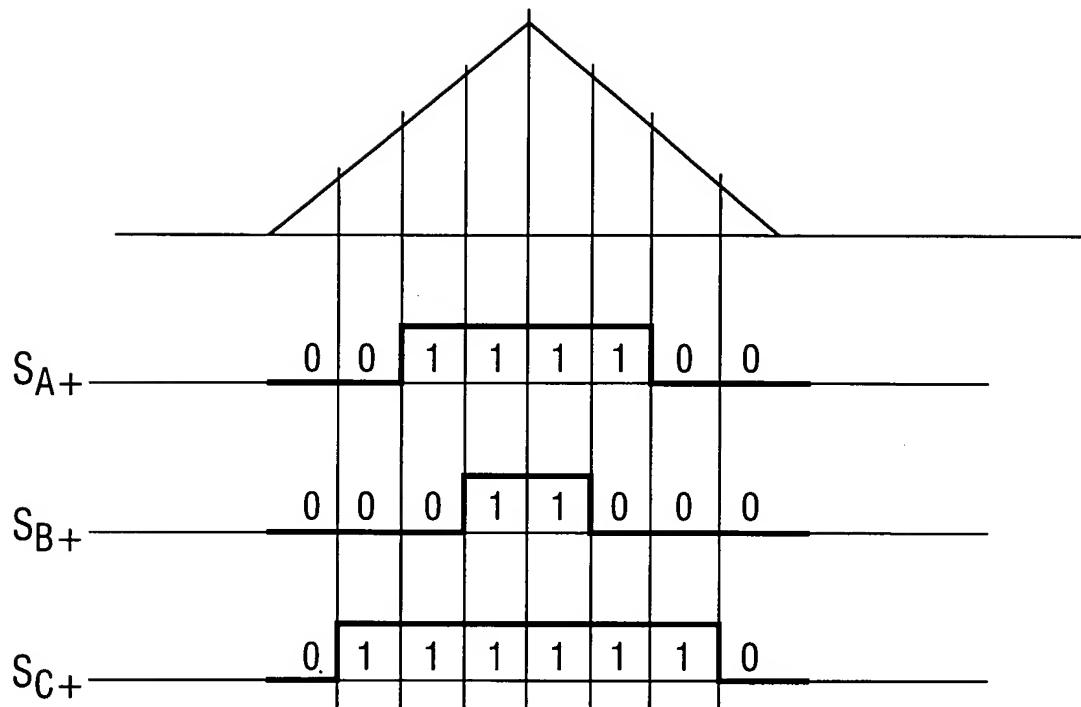


FIG. 22C





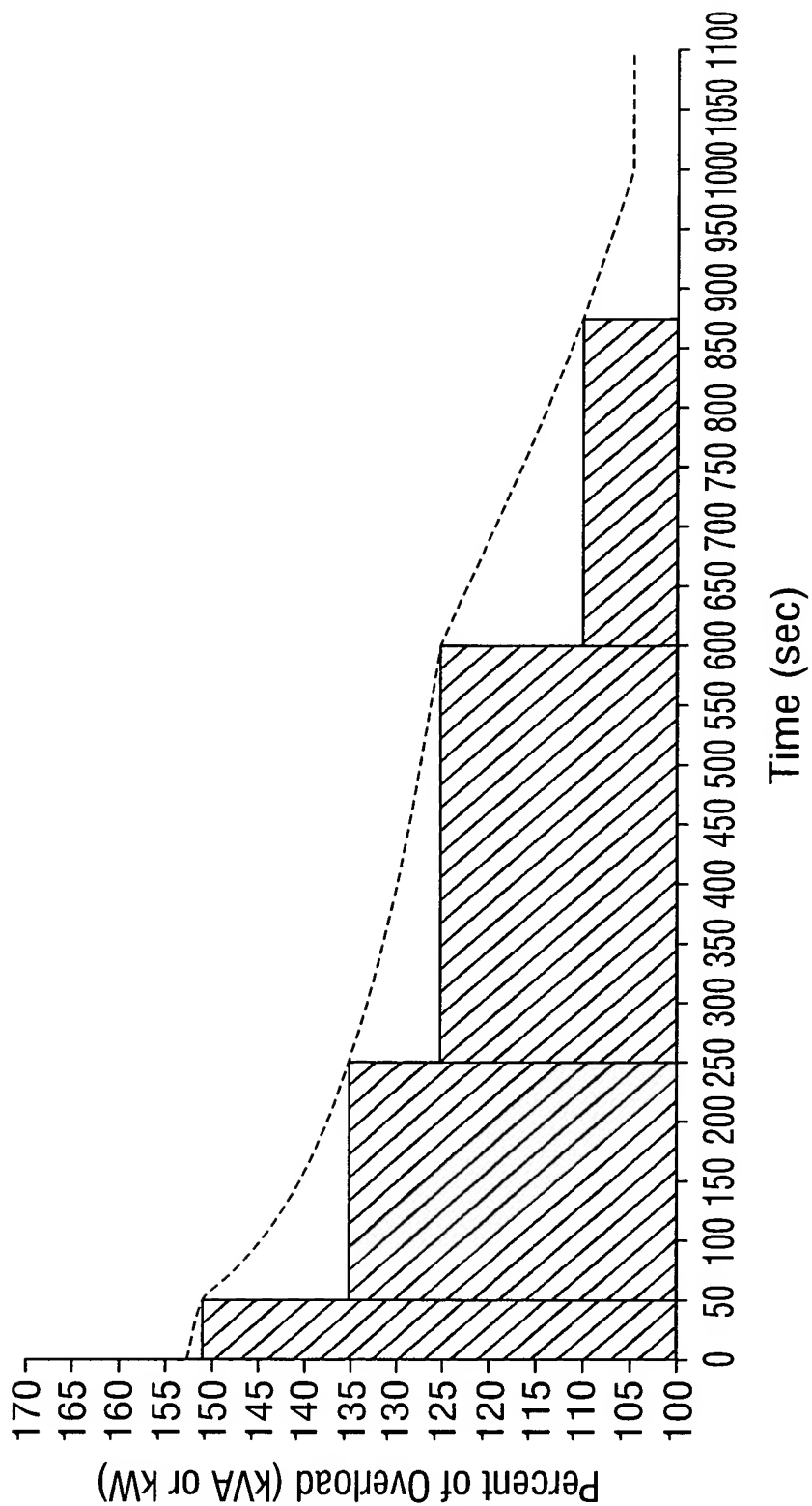


FIG. 23



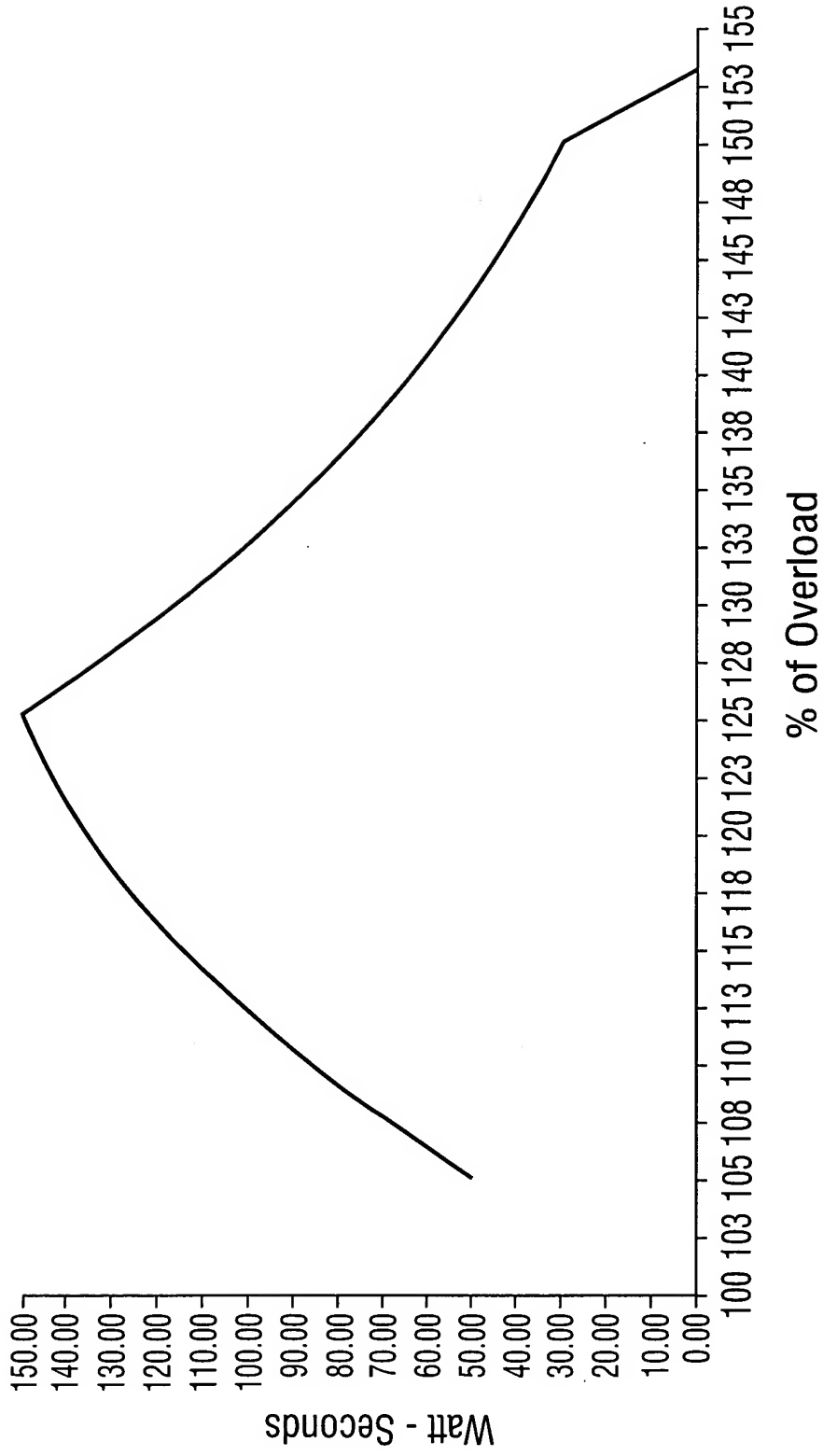


FIG. 24





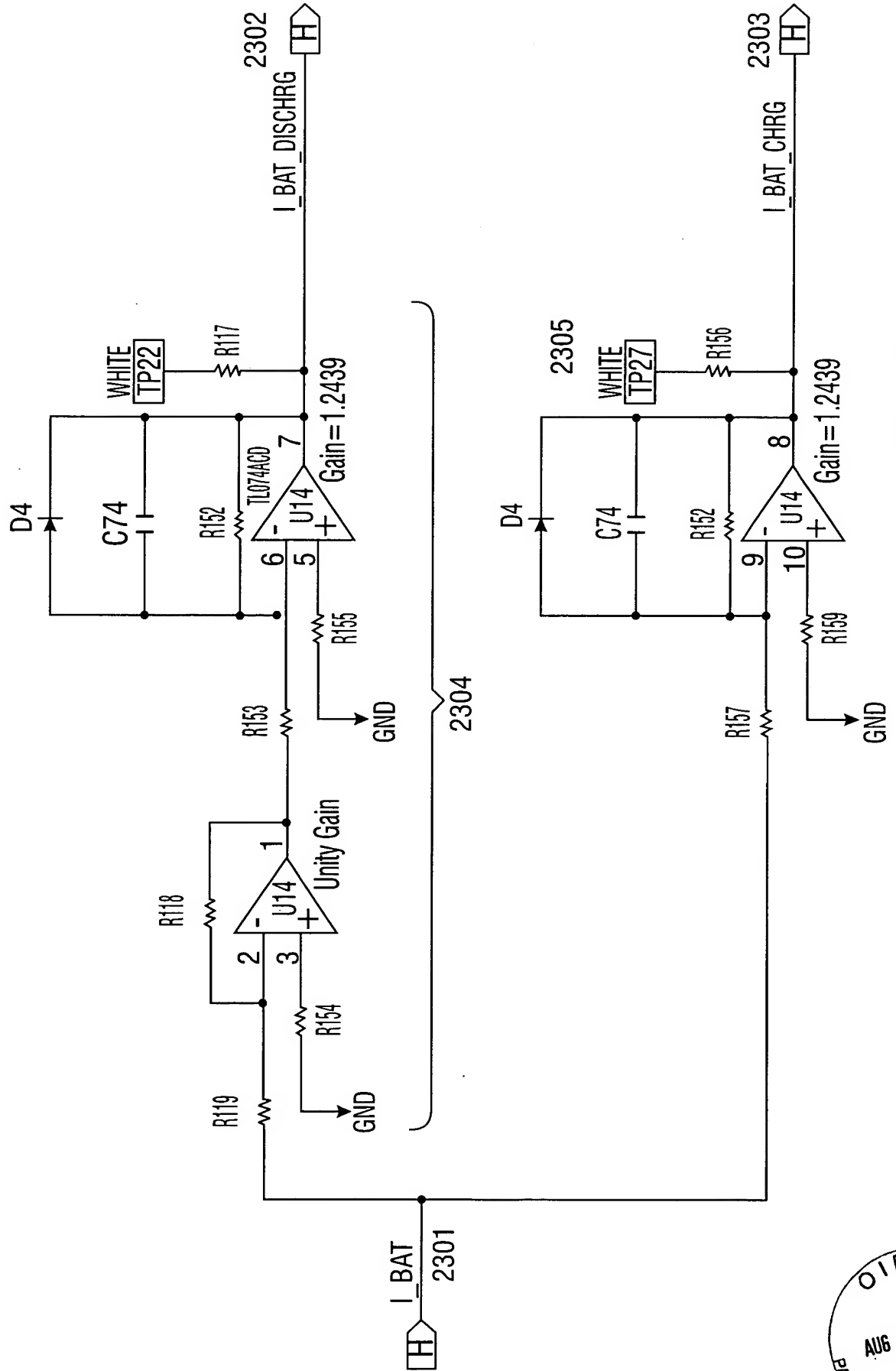


FIG. 25





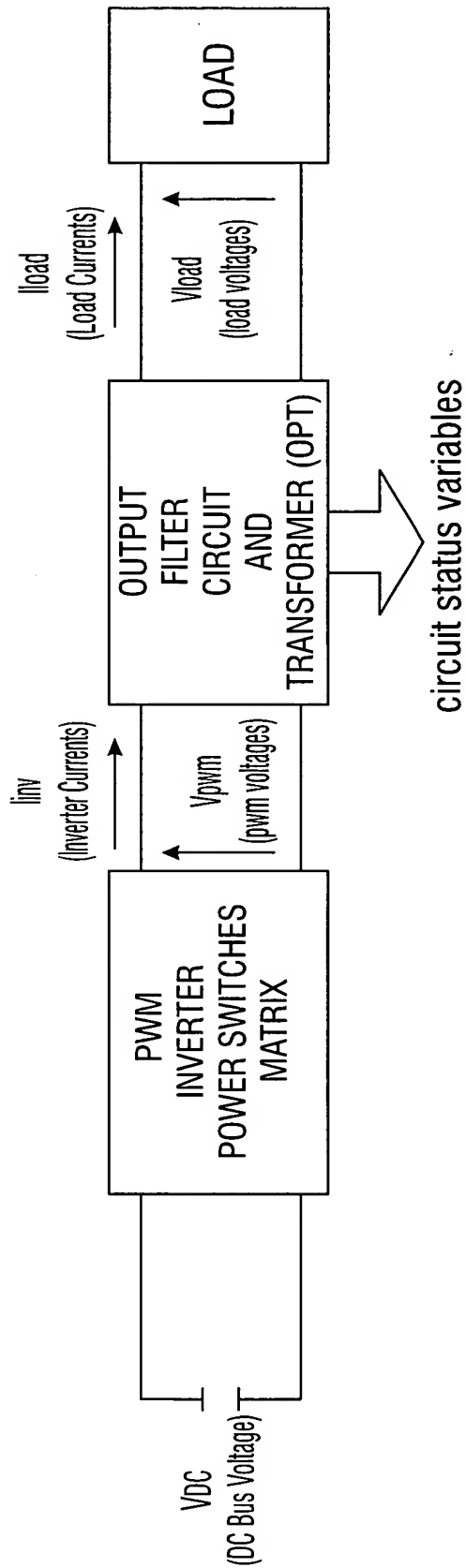


FIG. 26

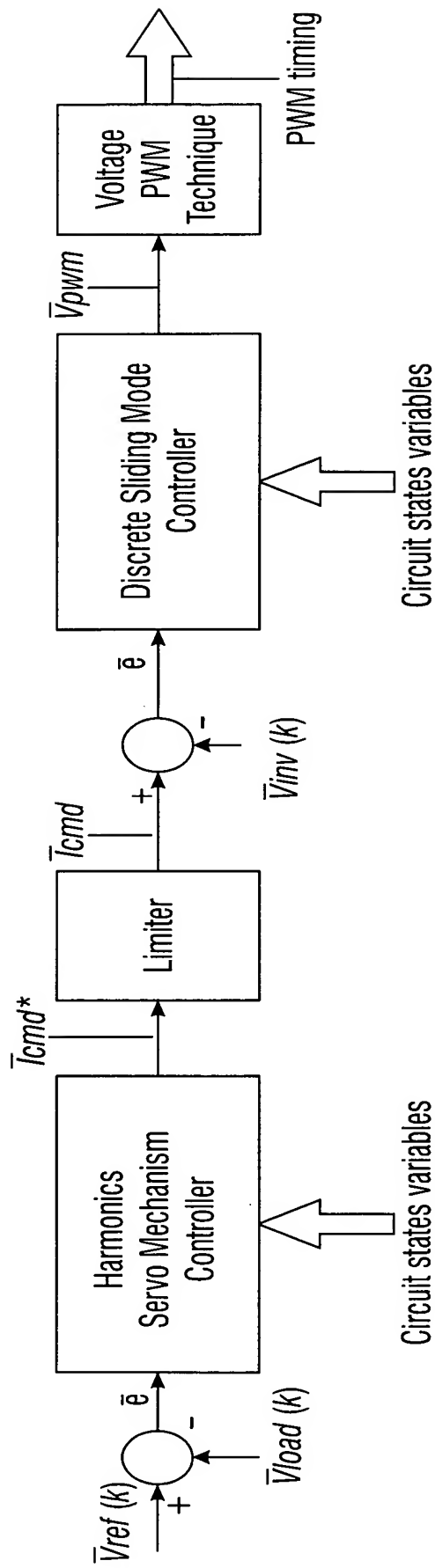


FIG. 27



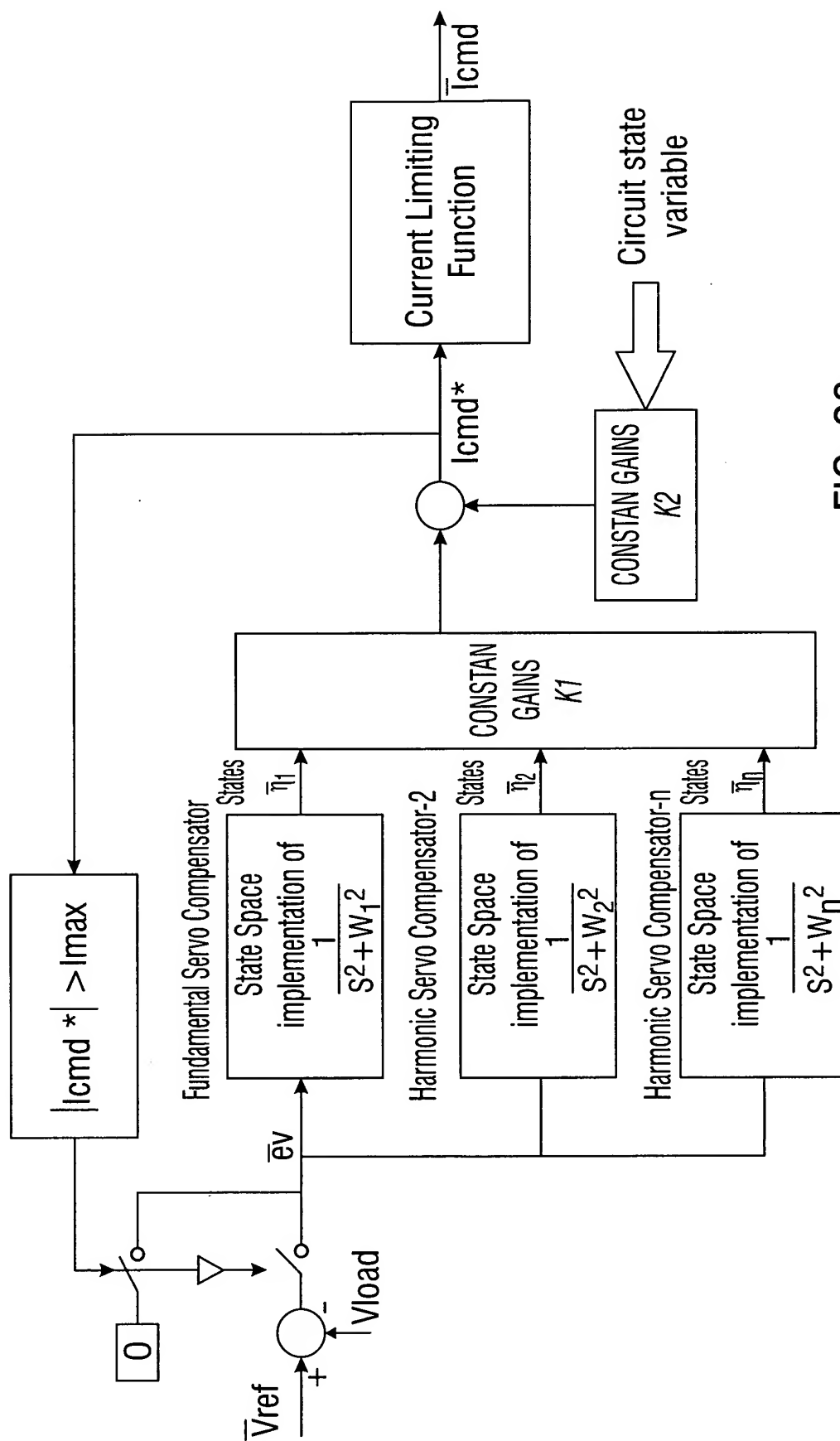


FIG. 28



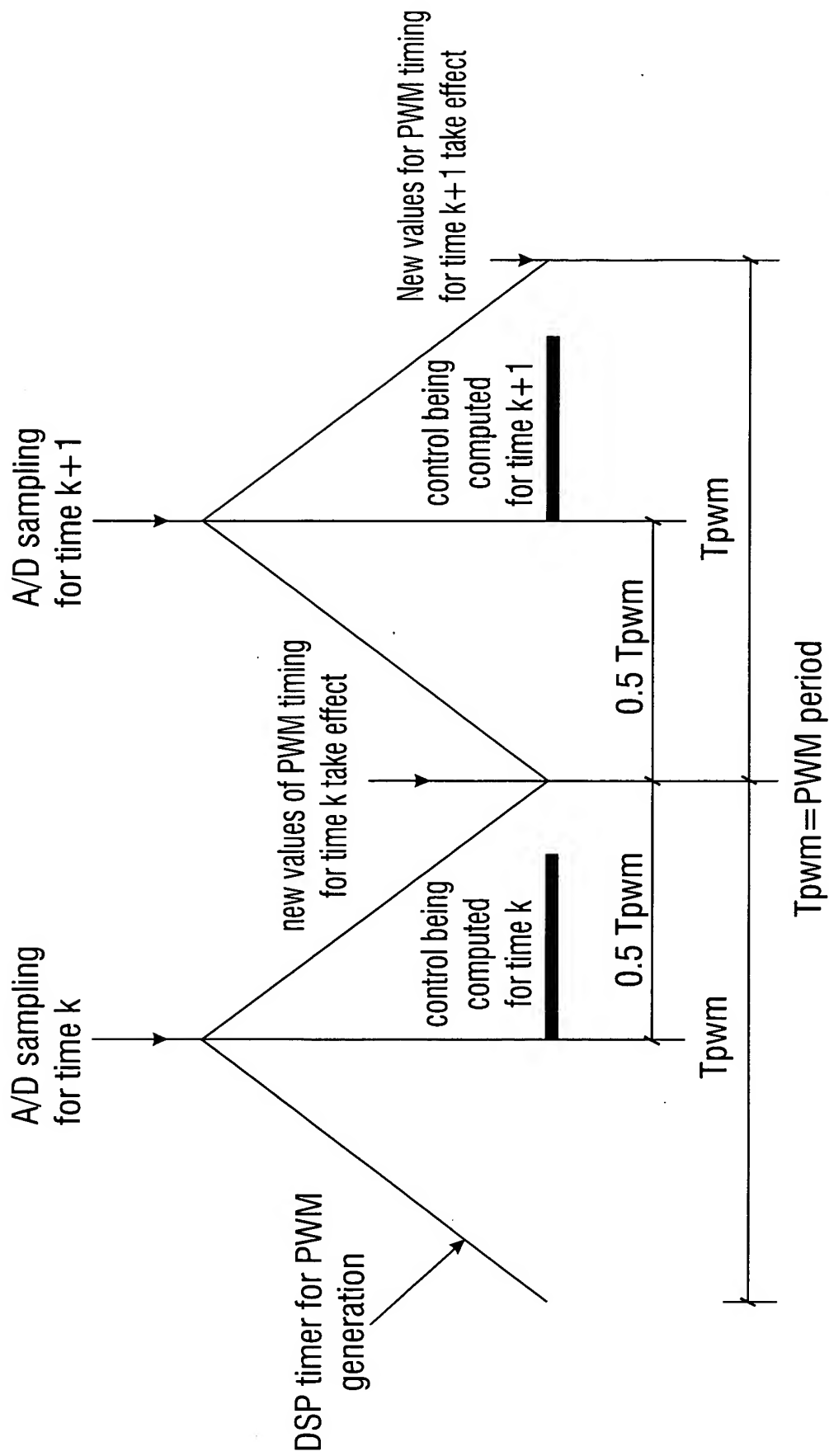


FIG. 29





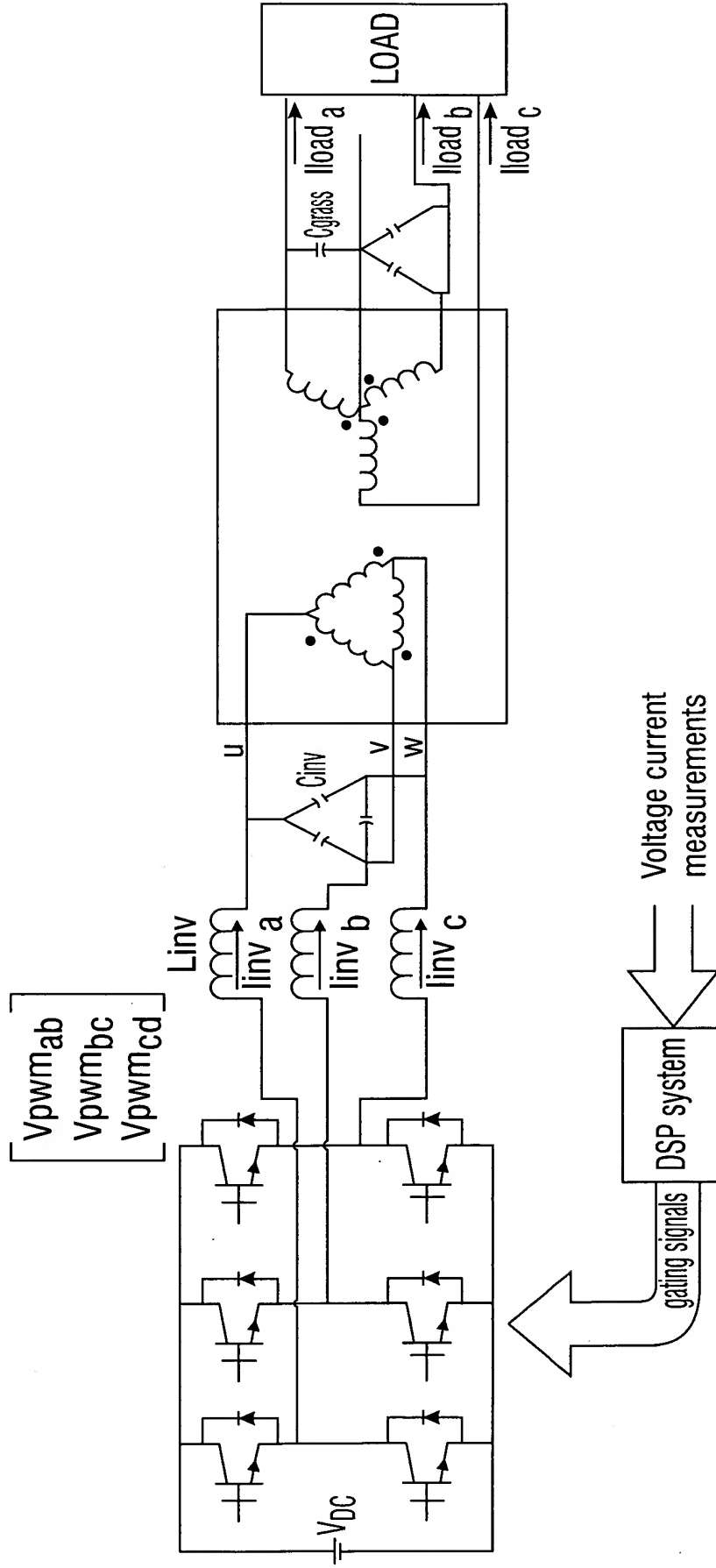


FIG. 30





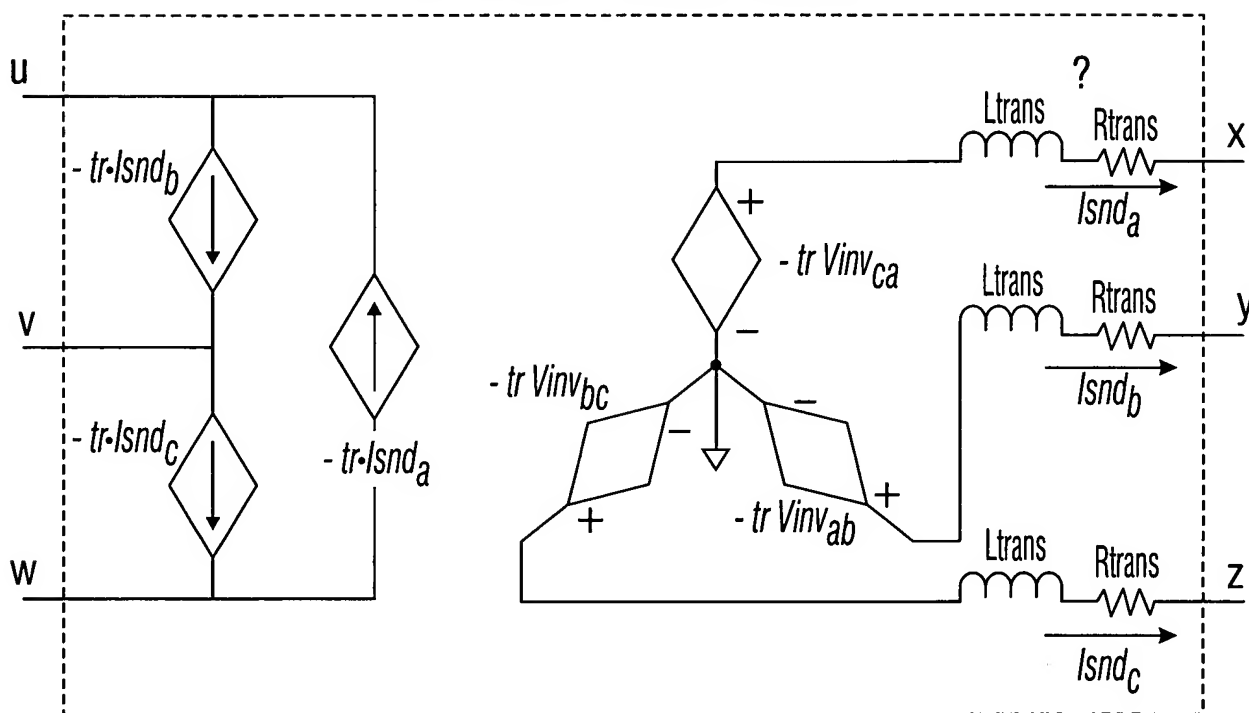


FIG. 31





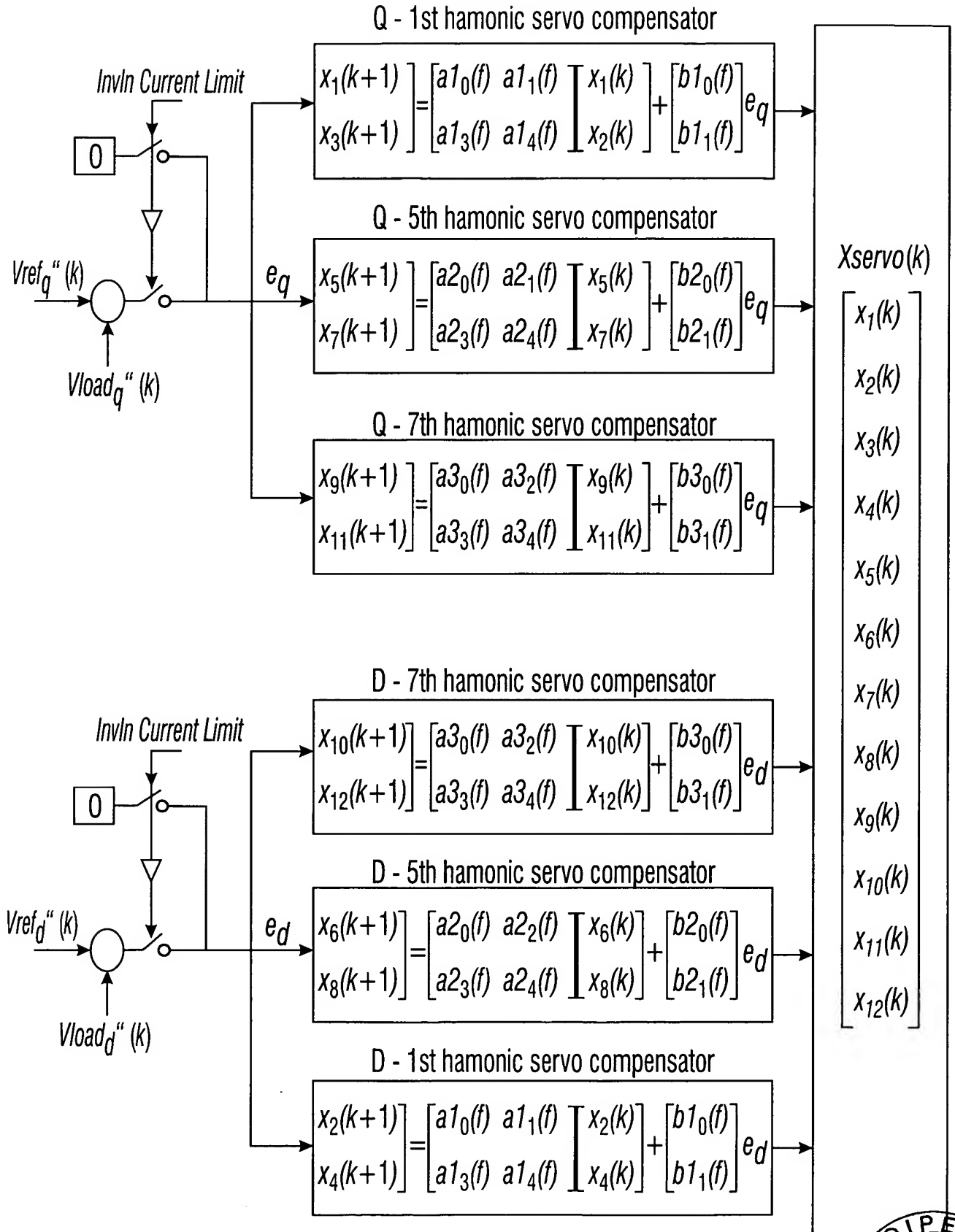


FIG. 32





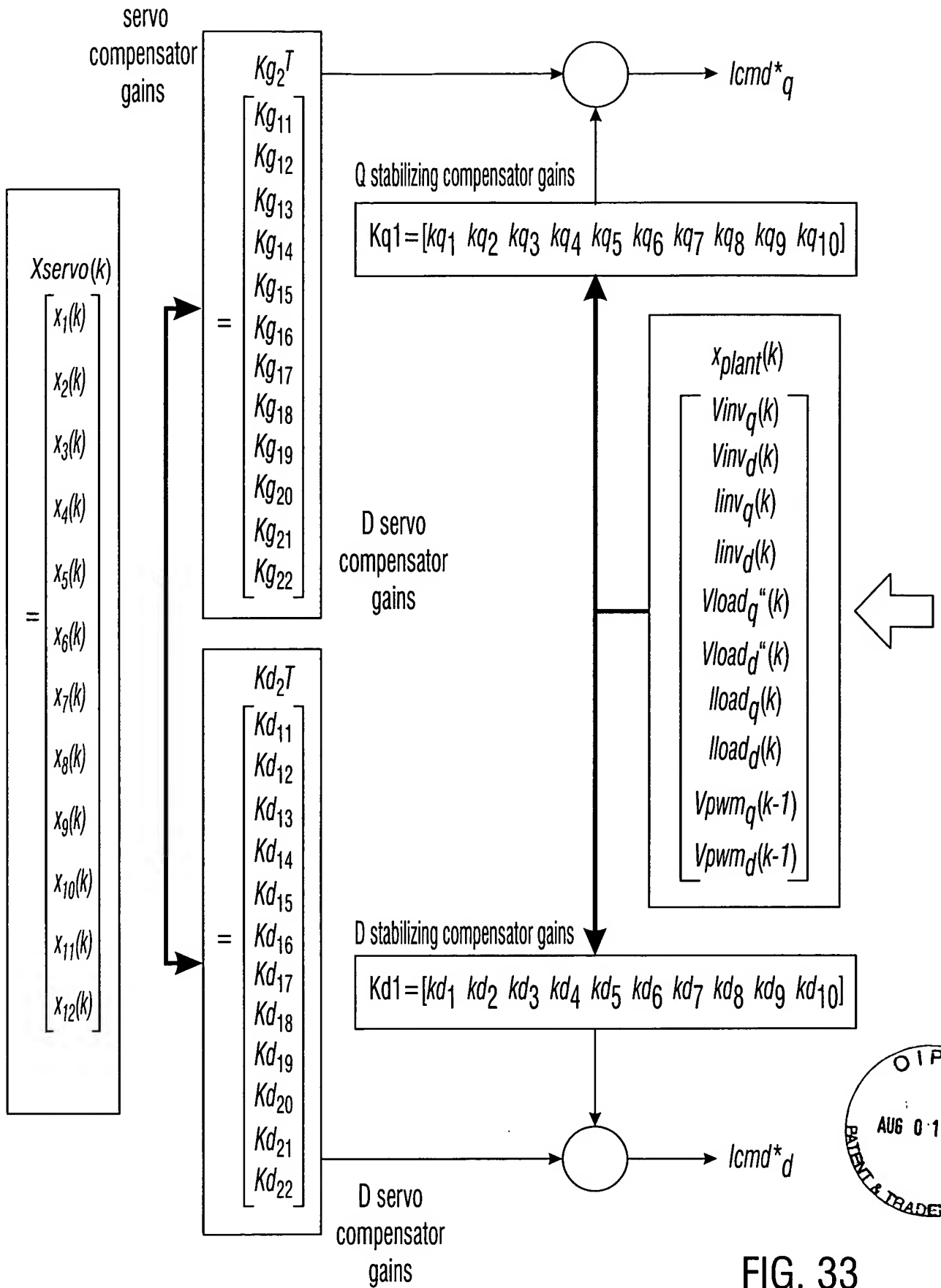


FIG. 33



FIG. 35A-1	FIG. 35A-2	
FIG. 35A-3	FIG. 35A-4	FIG. 35A-5
FIG. 35A-6	FIG. 35A-7	

FIG. 35A





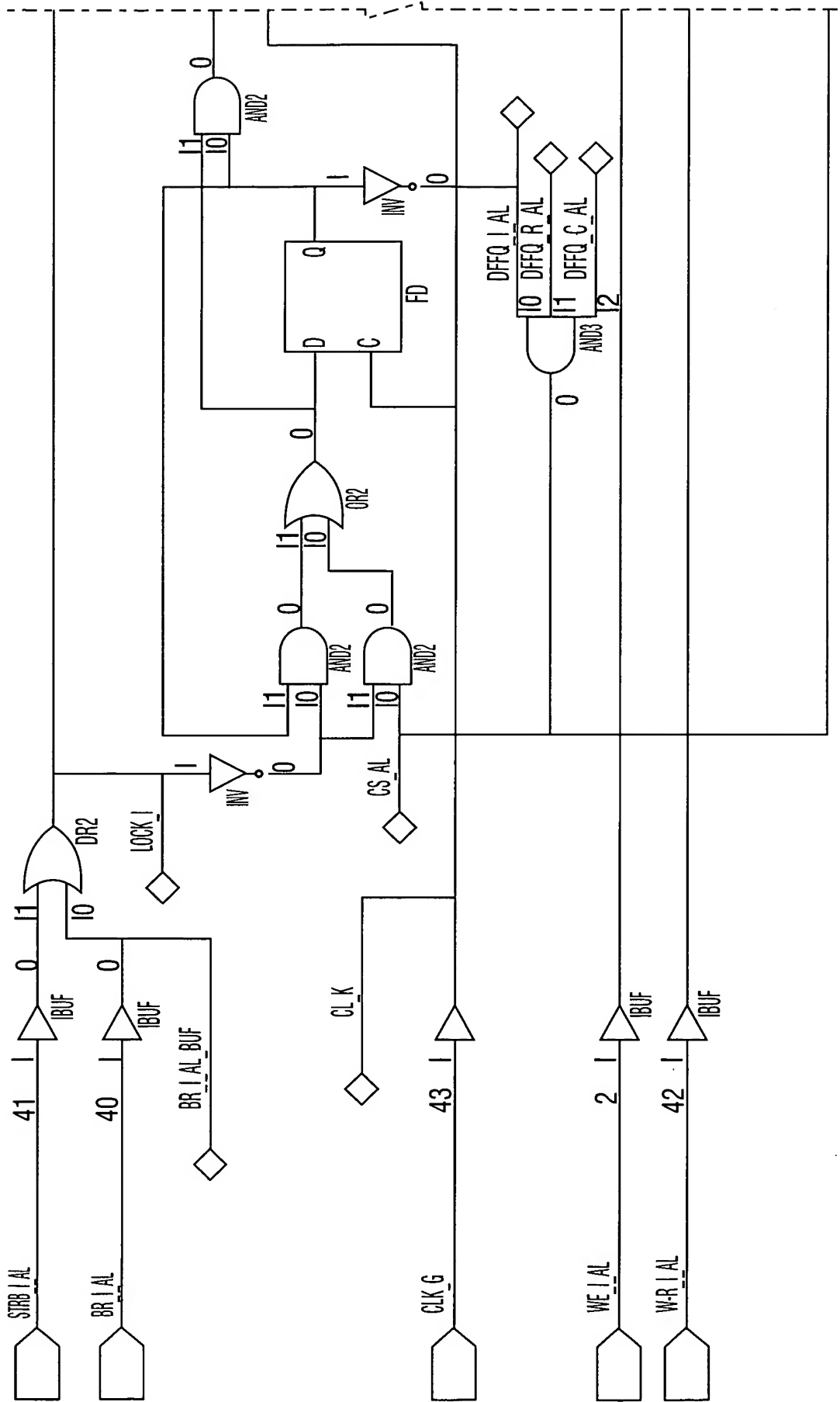
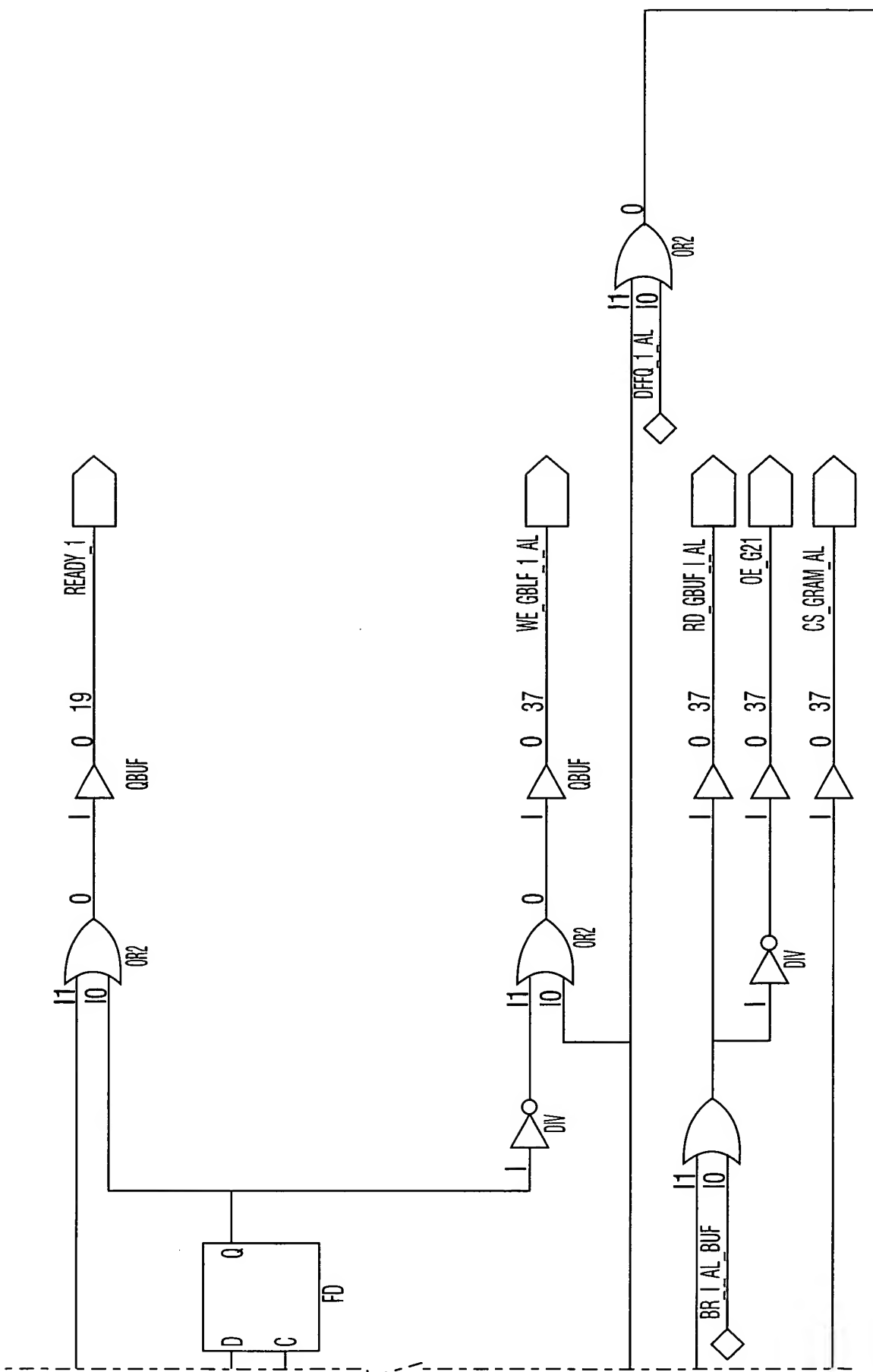


FIG. 35A-1

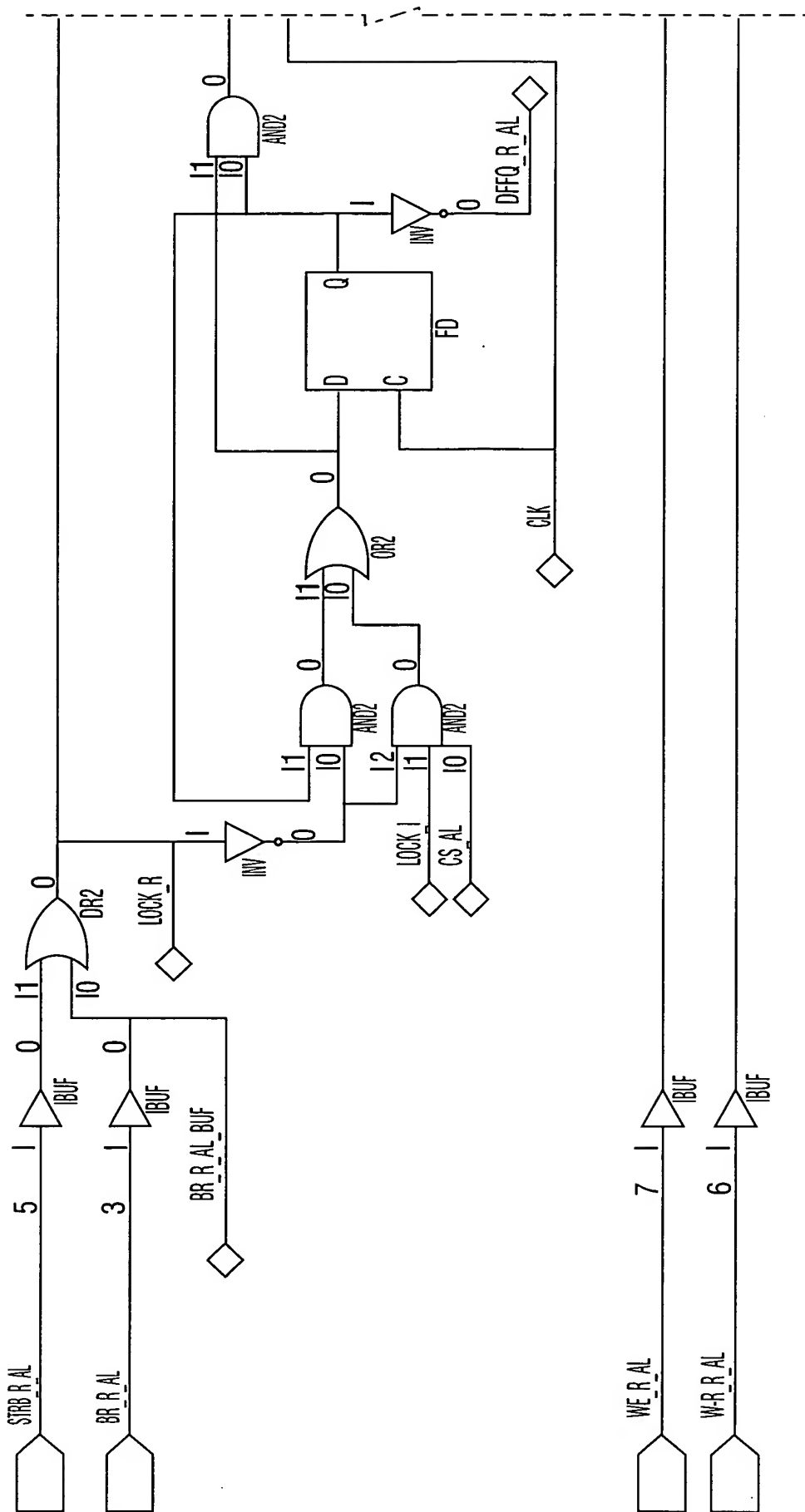








**SECRET**

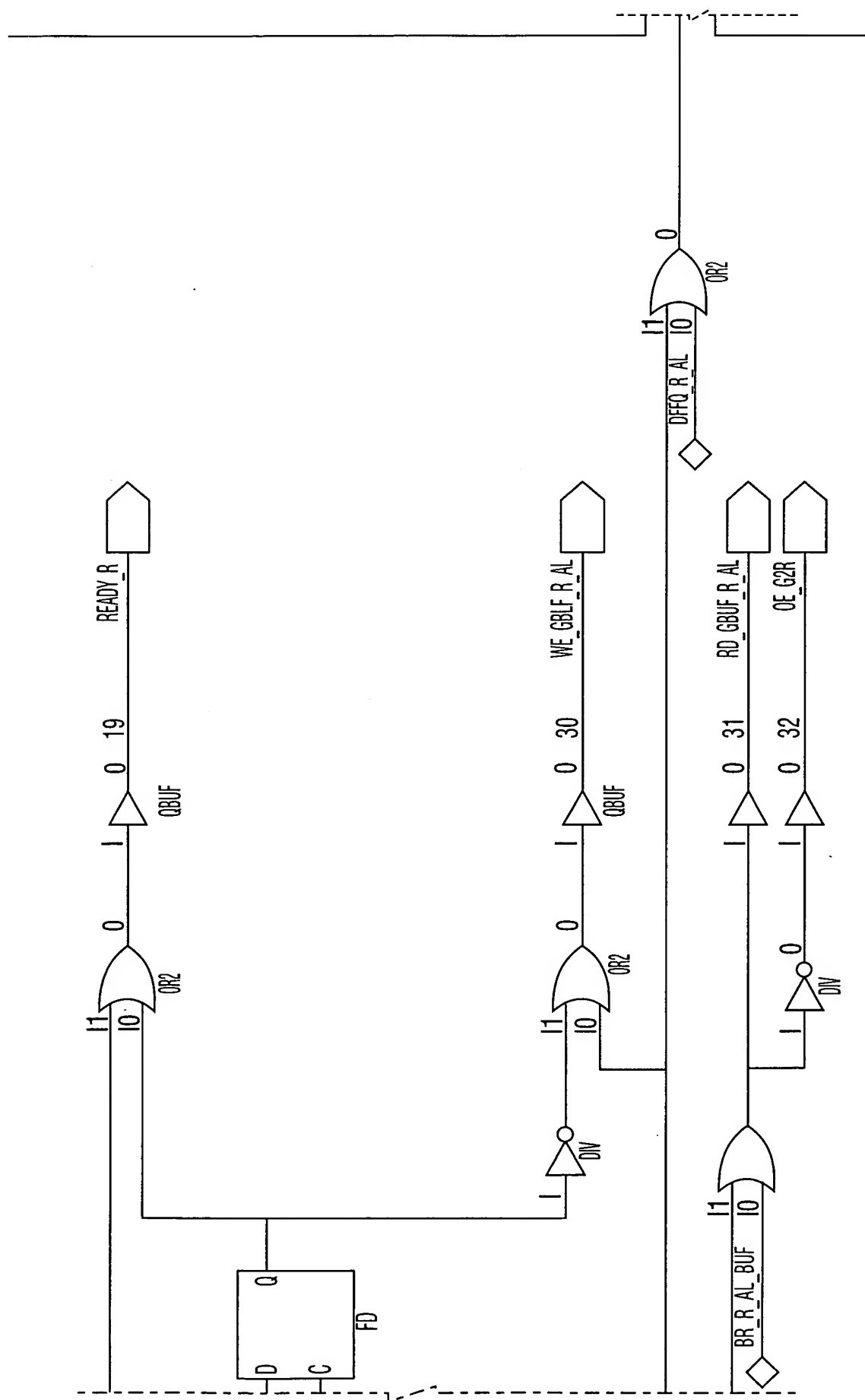


**FIG. 35A-3**





SECRET



**FIG. 35A-4**





201080" E222000T

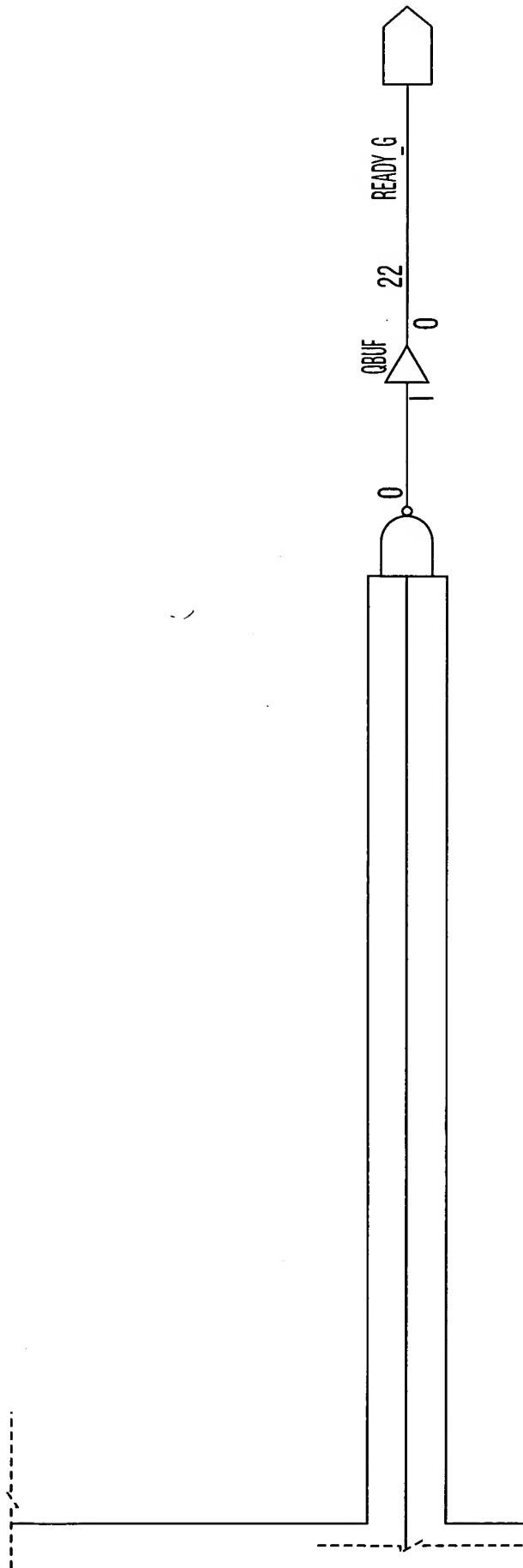


FIG. 35A-5





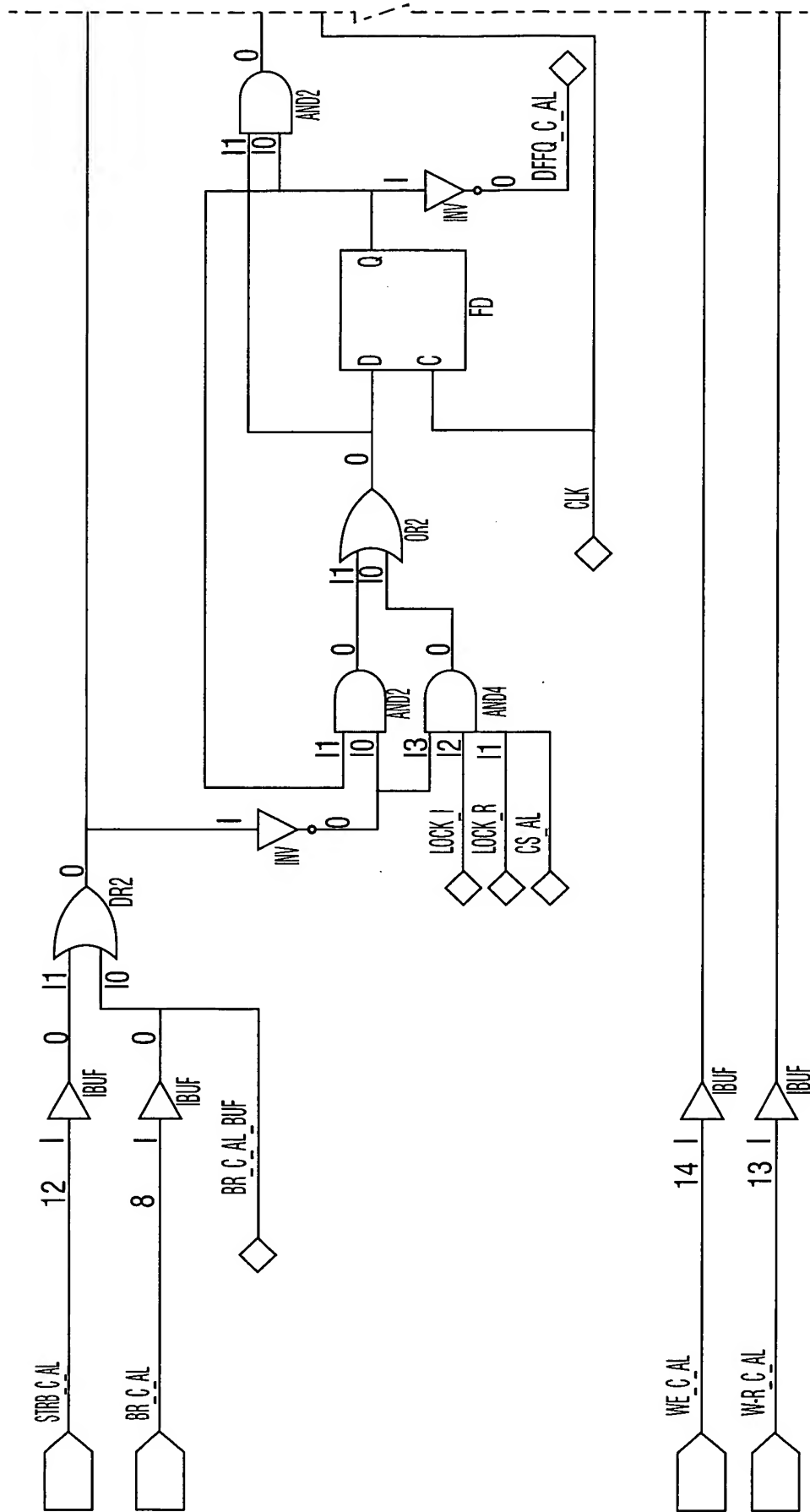


FIG. 35A-6



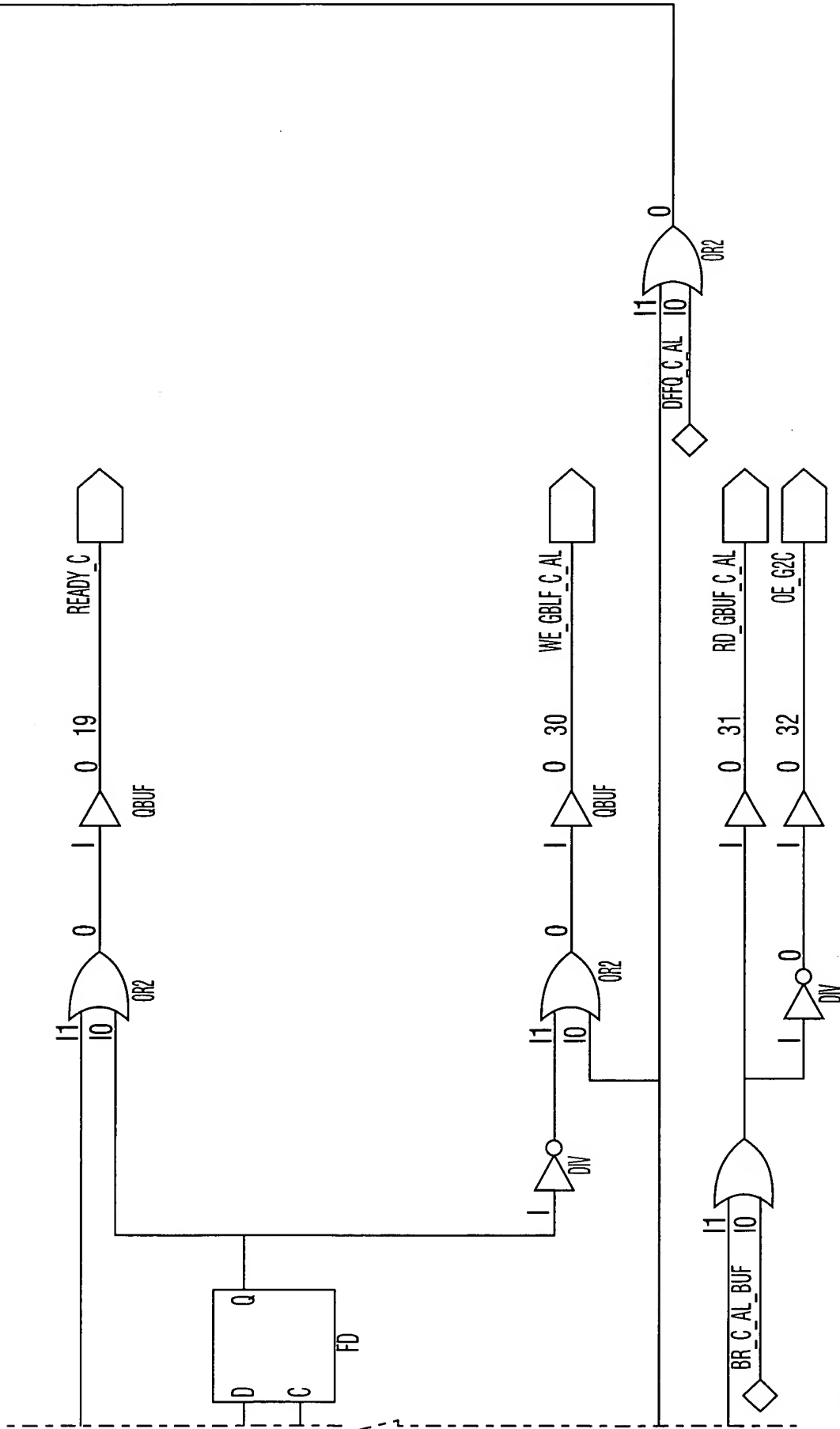


FIG. 35A-7





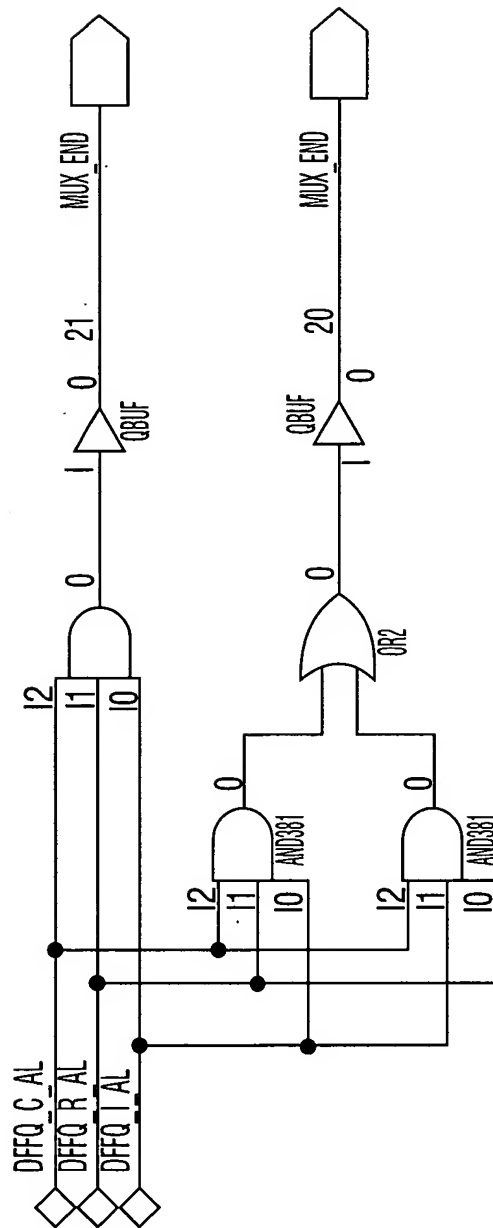


FIG. 35B



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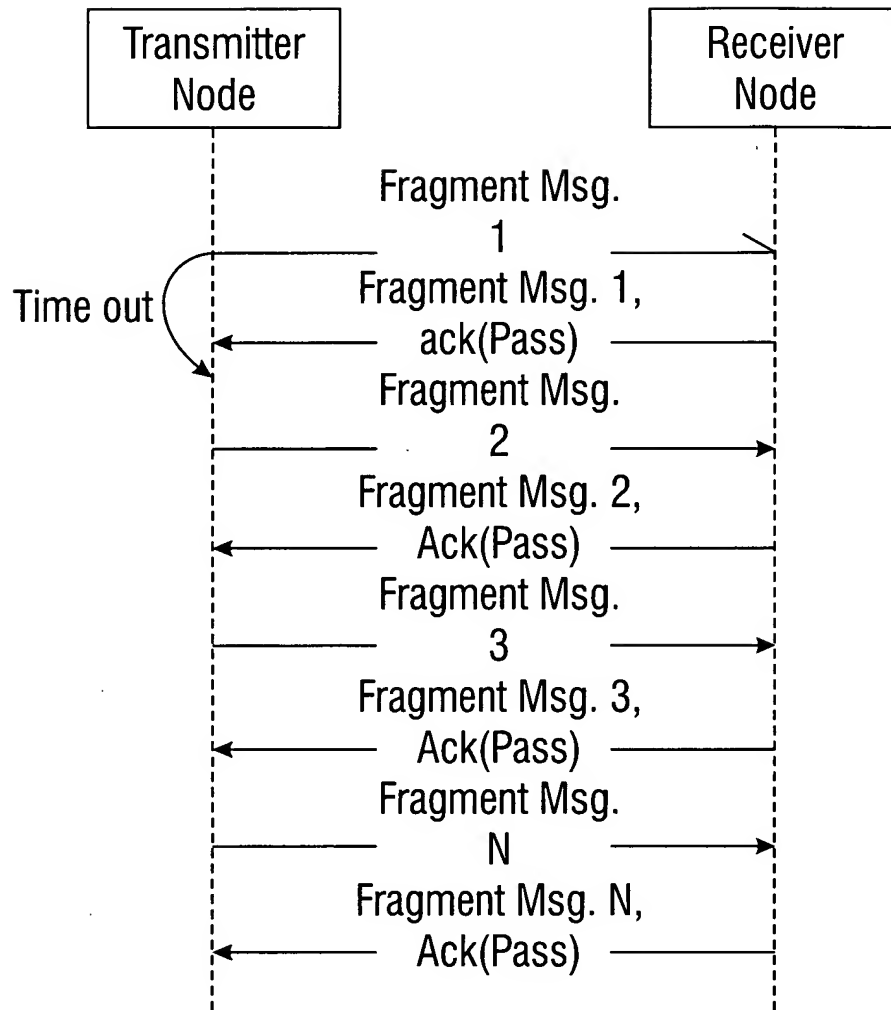


FIG. 36





201080-E220001

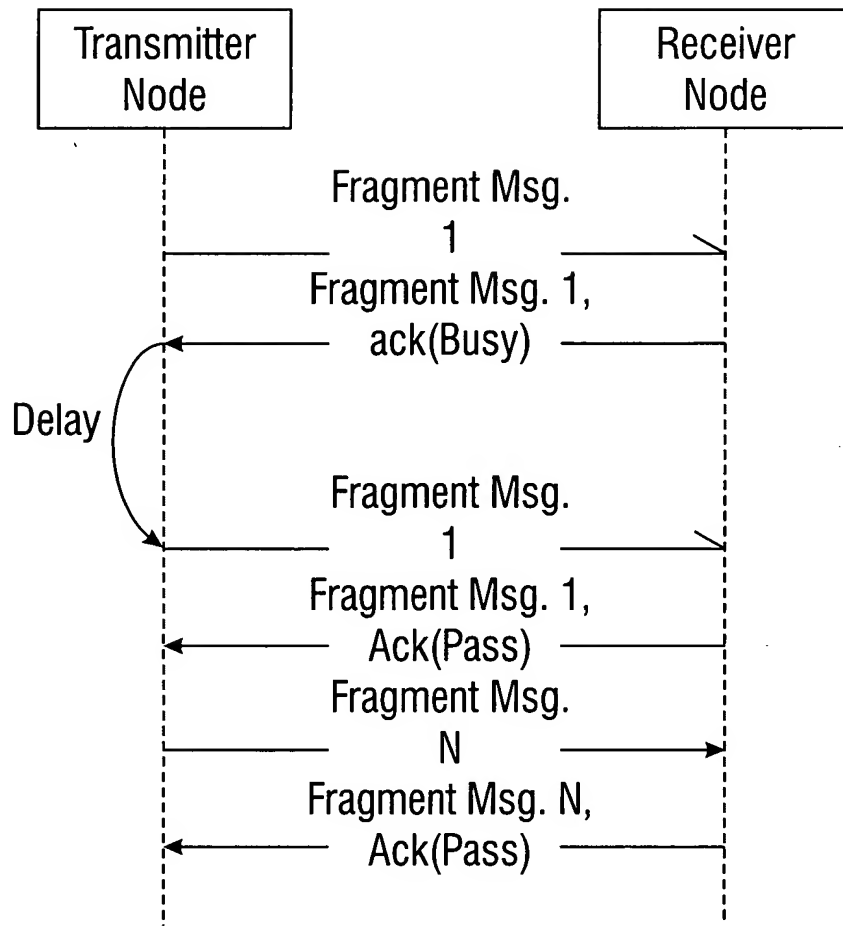


FIG. 37





2010080" E220001

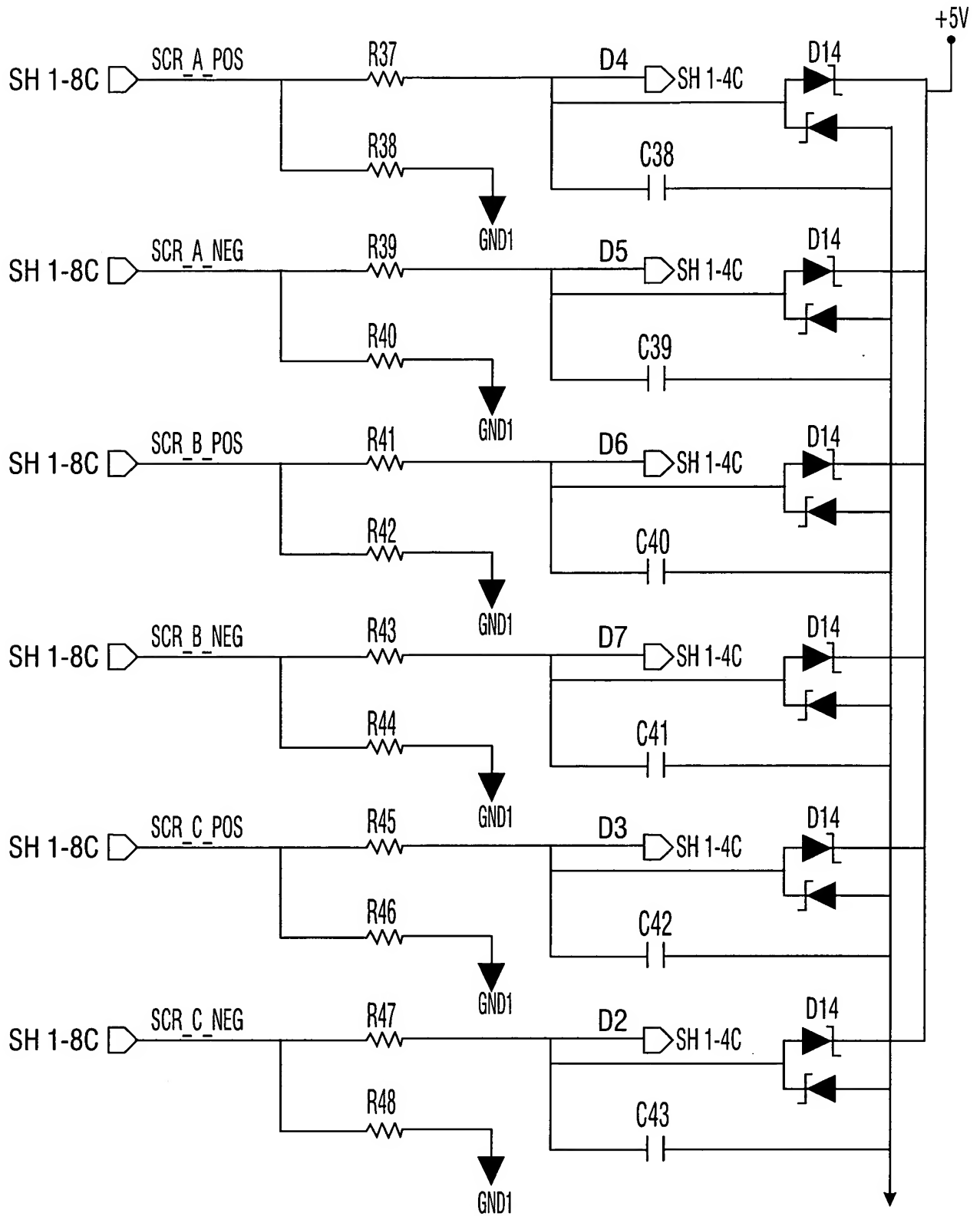


FIG. 38A





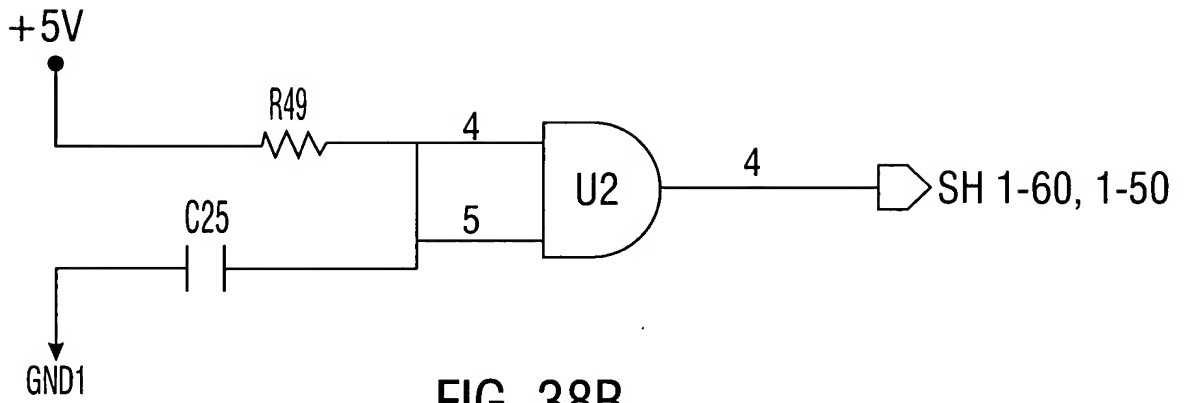


FIG. 38B

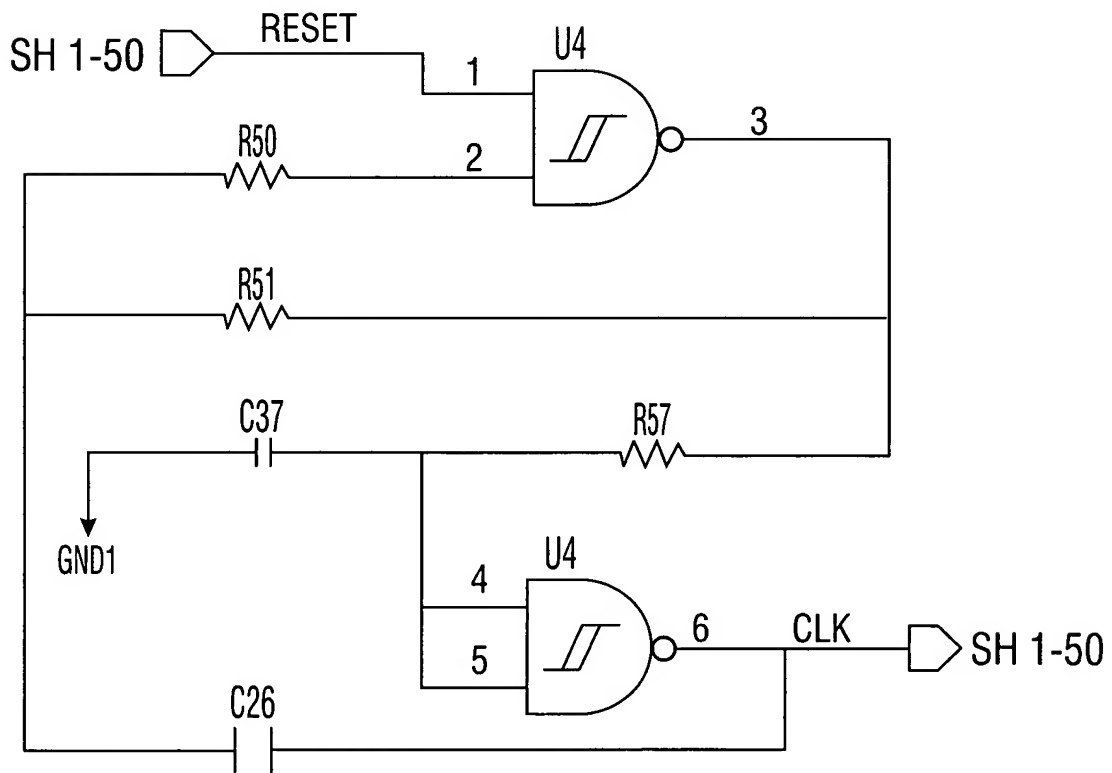


FIG. 38C



201080" E/2/0001



10007273-080102

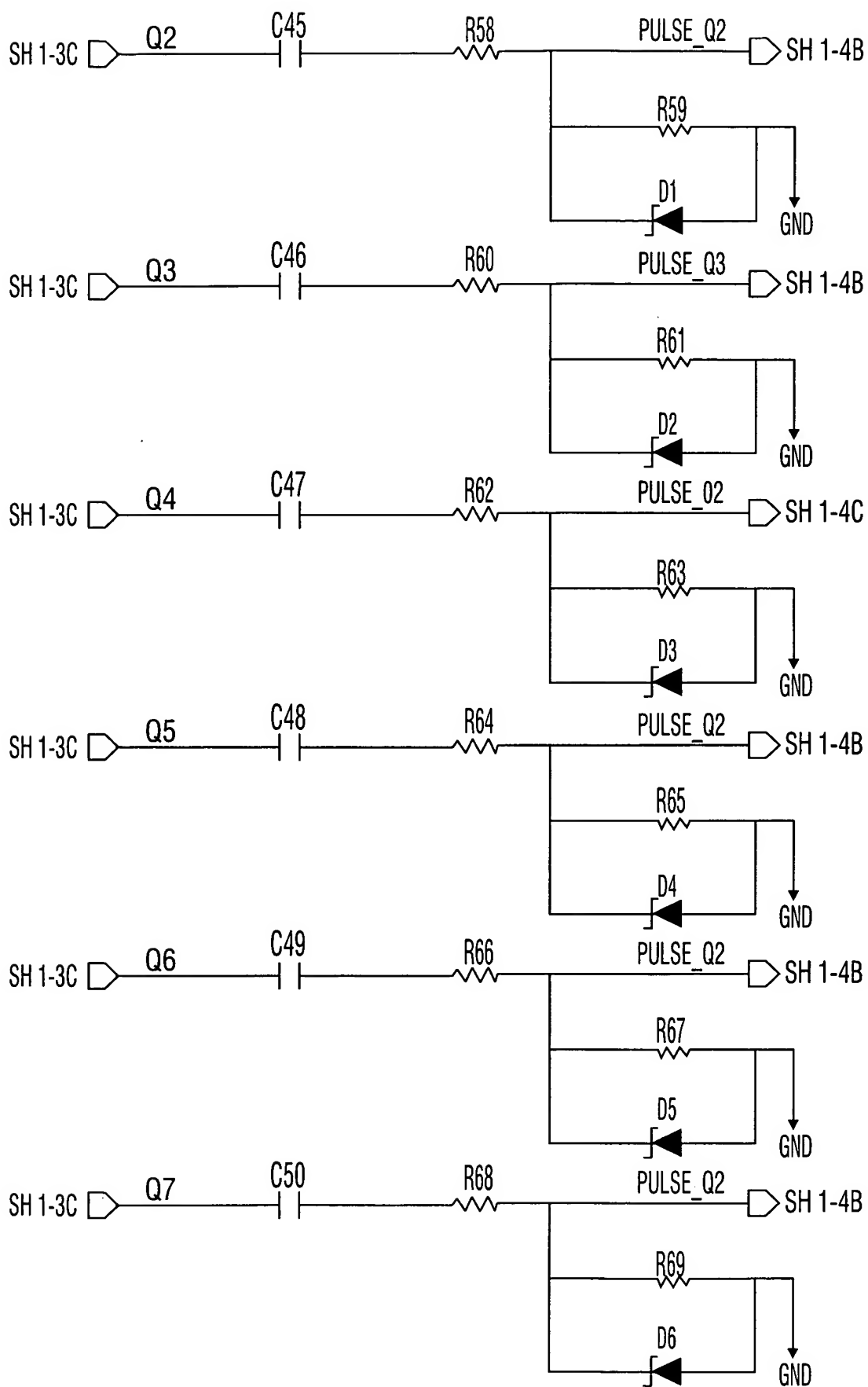
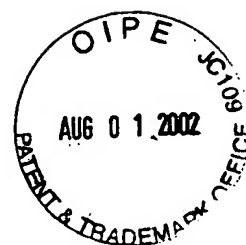


FIG. 38D





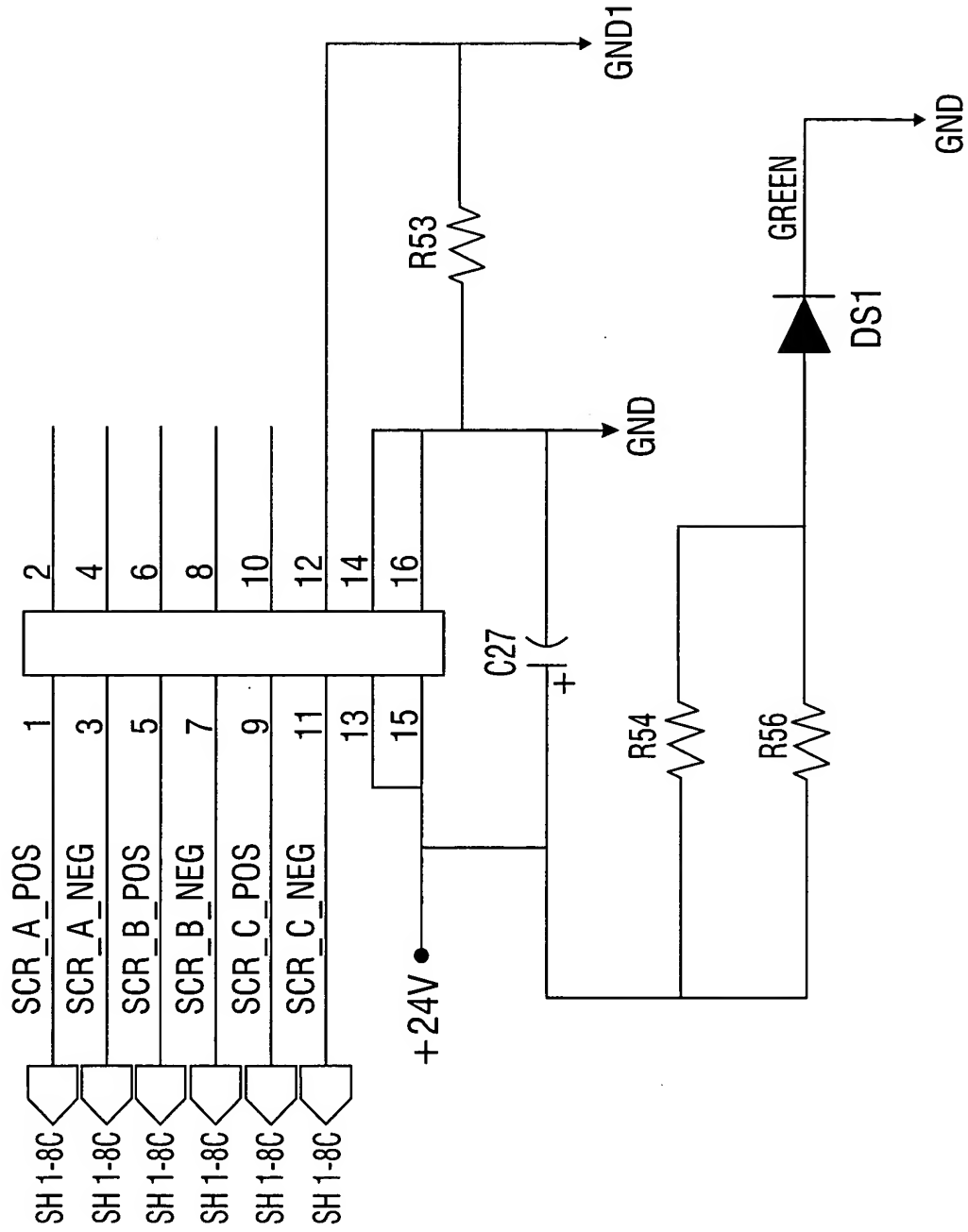


FIG. 38E





201080 "E22000T

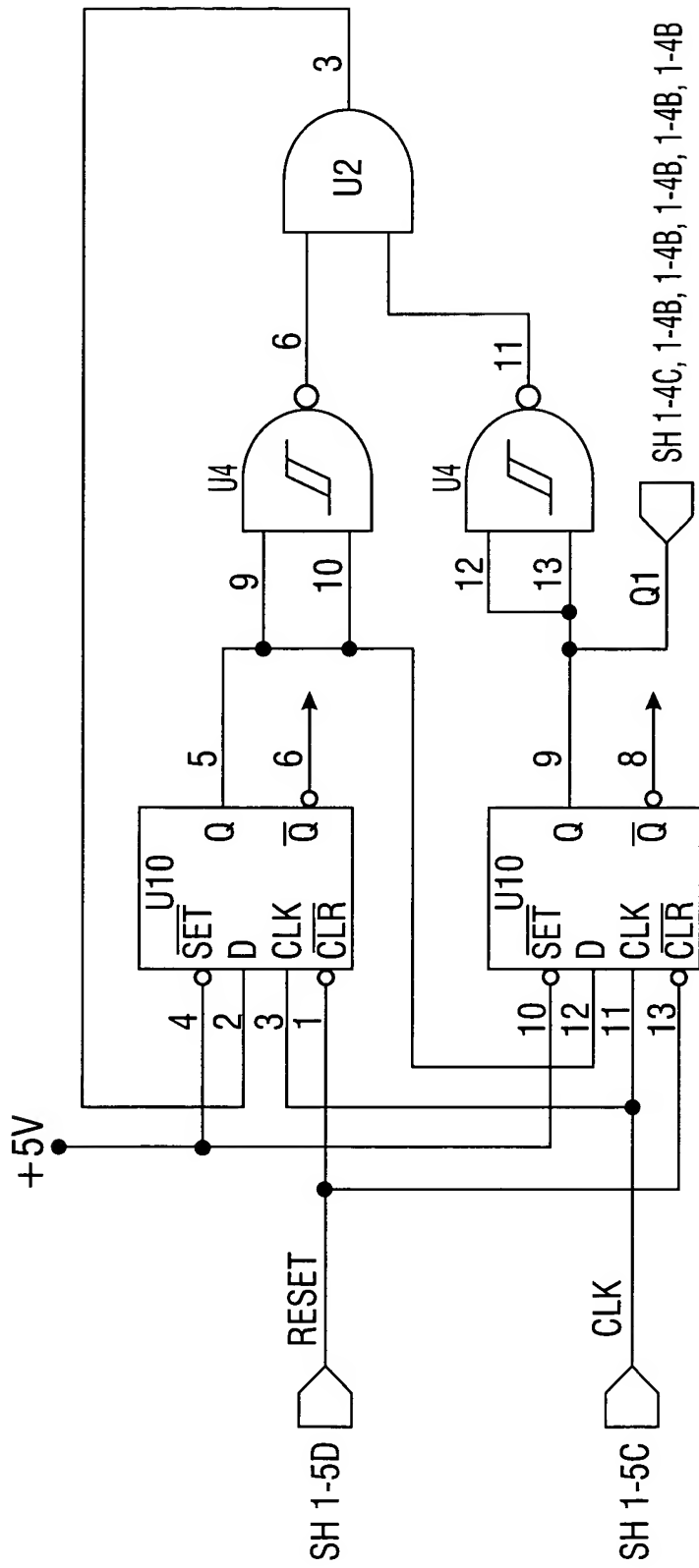


FIG. 38F





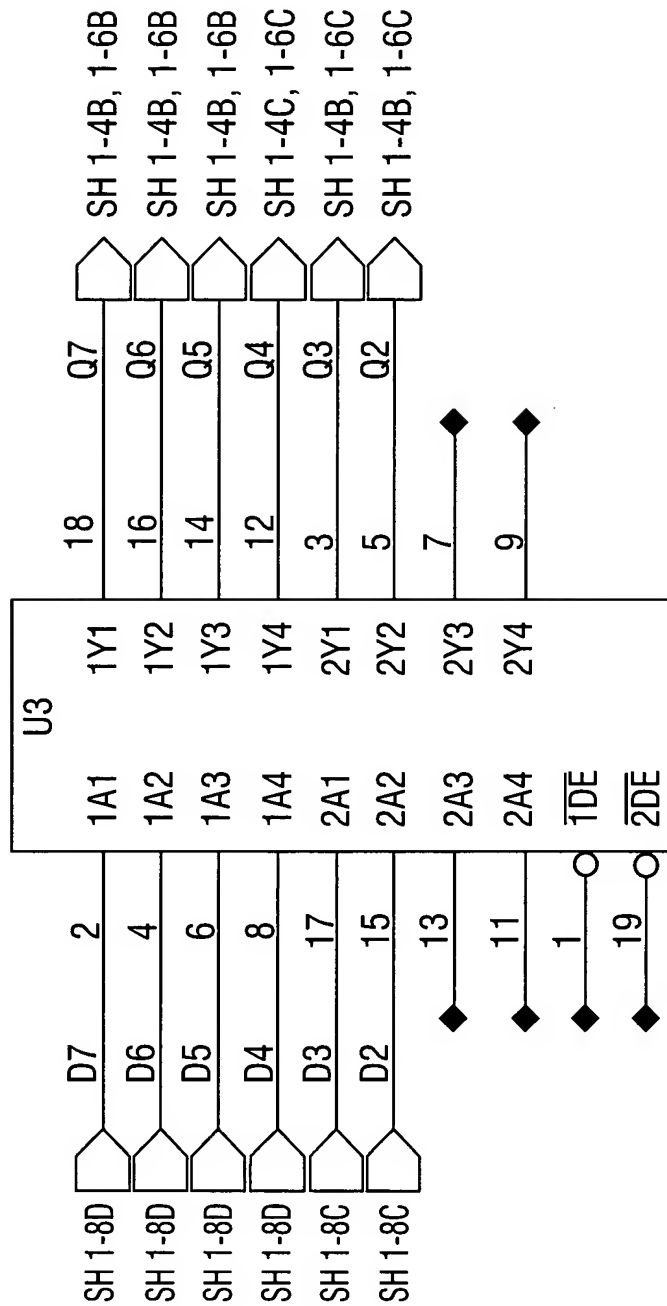


FIG. 38G



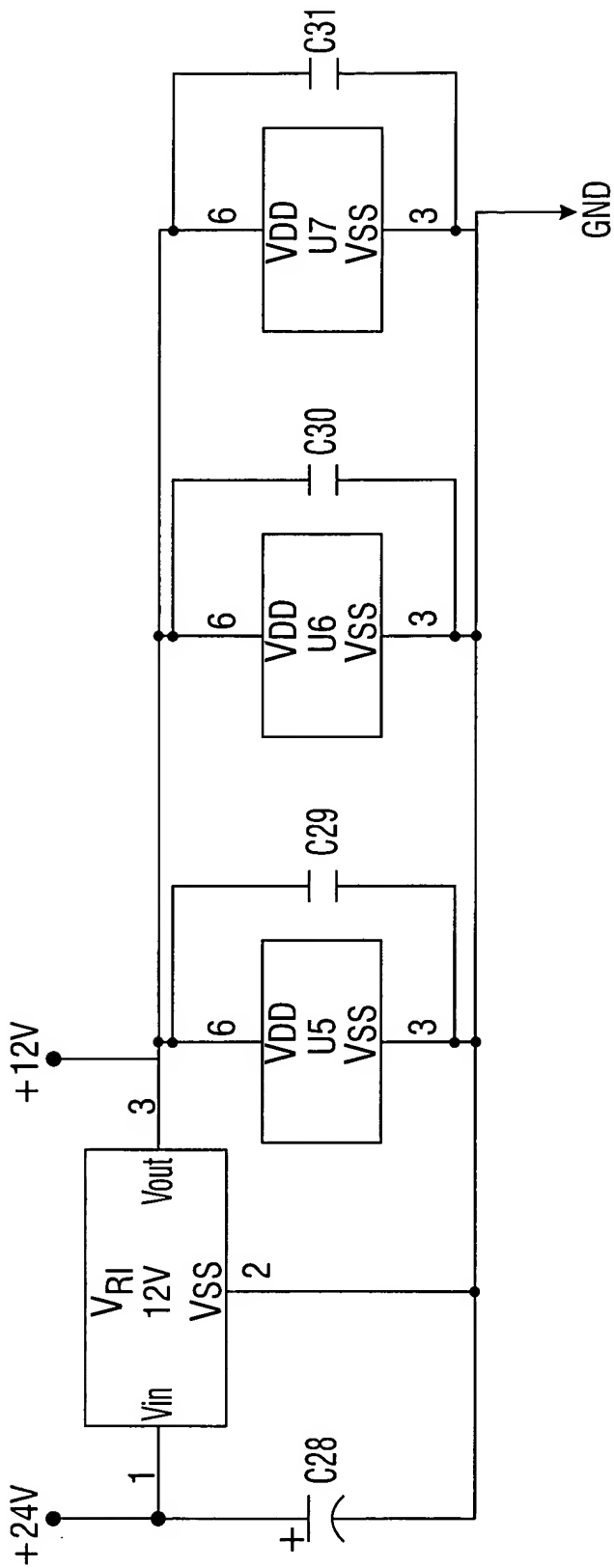


FIG. 38H





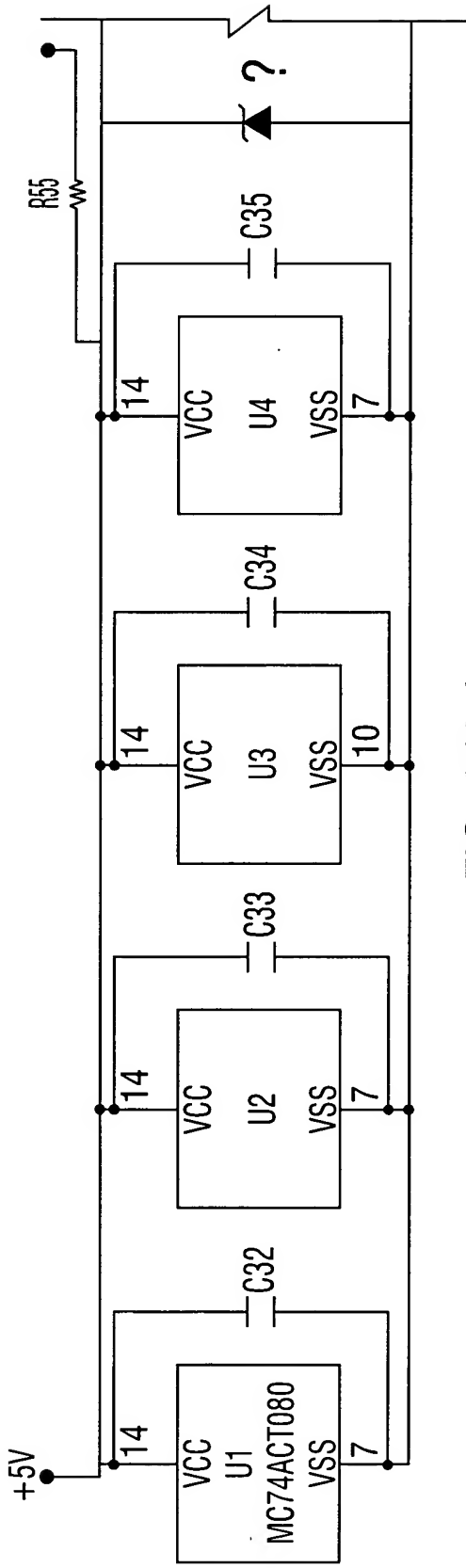


FIG. 38I-1

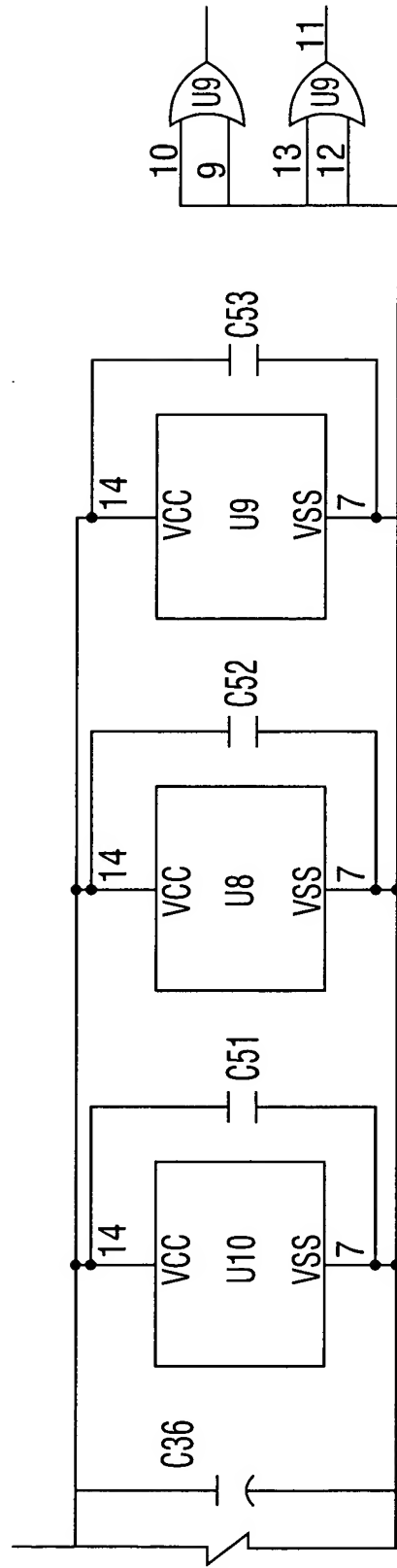


FIG. 38I-2



